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Volume 5
February 14, 1969

Number 4



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U.S. DEPARTMENT OF AGRICULTURE

PESTICIDES DOCUMENTATION BULLETIN

Volume 5
February 14, 1969
Number 4

A Bi-Weekly Publication of U.S. Department of Agriculture

OBJECTIVES AND SCOPE

The *Pesticides Documentation Bulletin* is compiled by the National Agricultural Library's Pesticides Information Center to facilitate national research efforts in all aspects of pest control. This bi-weekly index to the literature includes coverage of diseases, insects, nematodes, parasites, weeds and other pests affecting plants, animals, man, our natural resources and other values in man's environment. Special emphasis is given to the literature on toxicological, physiological and epidemiological aspects of pests and their control by chemical biological and integrated methods.

For broader coverage of literature on agriculture and related subjects, please consult the *Bibliography of Agriculture*, a monthly publication of the National Agricultural Library.

FORMAT

The *Bulletin* is a categorized bibliography, with citations arranged alphabetically by author under the following major subjects:

- 10 Entomology
- 20 Crop Protection
- 30 Livestock Protection
- 40 Commodity Protection
- 50 Environmental Contamination
- 55 Residues
- 60 Toxicology
- 65 Plant Physiology & Biochemistry
- 70 Chemistry
- 80 Engineering
- 90 Industry

Citations: Each citation consists of an accession number assigned serially with the last two digits representing the Bulletin's issue year, i.e. 3286-67. The citation number (minus the year) is used in all indices. Following the accession number is the full title of the article; all personal authors; an abbreviated journal title; volume, issue and inclusive page numbers; date of publication; language abbreviation, if other than English; and the National Agricultural Library's call number. Subject descriptors, patent or grant numbers, bibliographer's notes, and abstracts or extracts may follow each citation when appropriate.

Subject Index: Subject descriptors appear in the index followed by title arranged numerically by accession number. The Agricultural/Biological Vocabulary developed by the National Agricultural Library is used as a basic thesaurus of descriptors.

Biographical Index: Names of first authors are arranged alphabetically, followed by organizational affiliation and accession number.

Author Index: Names of personal authors are arranged alphabetically, followed by accession numbers of pertinent citations.

Organizational Index: Names of corporate authors or sponsoring organizations are arranged alphabetically followed by accession numbers of pertinent citations.

Other Files

In addition to the citations contained in the Bulletin, the Pesticides Information Center maintains two other files, the INTREDIS Register and the Herbicides Data File.

The INTREDIS Register is a computer data bank in the field of forest pathology. It contains title and author references to abstracted articles including subject, country, host plant genus or species, organisms causing the diseases, abstracting journal and year of publication. The computer search uses boolean parameters in any combination of elements listed.

The Herbicides Data File consists of reports on field tests conducted by the Crops Protection Research Branch, Crop Research Division, Agriculture Research Service. Each test record contains the following items of information:

- Compound Tested
- Company furnishing the compound
- Author or Investigator
- Test Sponsor
- Date
- Location
- Mode of Application
- Rates of Application
- Soil Types
- Carriers
- Crops or Weeds tested with phytotoxicity ratings
- Associated documentation

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ACKNOWLEDGMENT

The Pesticides Information Center, National Agricultural Library, gratefully acknowledges the cooperation and assistance of the Department of Defense; Health, Education, and Welfare; and Interior; the Federal Committee on Pest Control, and state and industrial organizations in the development of the Center and preparation of this Bulletin. Special thanks are expressed to the Federal Committee on Pest Control for its suggestions and support. We hope the Bulletin will serve as an example of the effectiveness of interdepartmental cooperation and the speed with which effective services can be developed through a coordinated and cooperative interdepartmental effort.

Use of funds for printing this publication approved by the Director of the Bureau of the Budget (May 23, 1968).

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This publication reports research involving pesticides. It does not contain recommendations for their use, nor does it imply that the uses discussed here have been registered. All uses of pesticides must be registered by appropriate State and/or Federal agencies before they can be recommended.

CAUTION: Pesticides can be injurious to humans, domestic animals, desirable plants, and fish or other wildlife—if they are not handled or applied properly. Use all pesticides selectively and carefully. Follow recommended practices for the disposal of surplus pesticides and pesticide containers.

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TABLE OF CONTENTS

BIBLIOGRAPHY (Citations)

	<i>Page</i>
10 ENTOMOLOGY.....	1
Systematics.....	1
Physiology and Biochemistry.....	3
Genetics.....	10
Medical Entomology.....	11
20 CROP PROTECTION.....	11
Diseases.....	11
Arthropods.....	15
Nematodes.....	17
Weeds.....	17
Other Pests.....	18
30 LIVESTOCK PROTECTION.....	18
Diseases.....	18
Arthropods.....	21
Parasites.....	22
40 COMMODITY PROTECTION.....	23
Storage Diseases.....	23
Arthropods.....	23
Rodents and Other Pests.....	*
Microbial Contamination.....	*
50 ENVIRONMENTAL CONTAMINATION.....	23
55 RESIDUES.....	23
60 TOXICOLOGY.....	25
65 PLANT PHYSIOLOGY & BIOCHEMISTRY.....	25
70 CHEMISTRY.....	26
80 ENGINEERING.....	26
90 INDUSTRY.....	*
Economics.....	*
Education.....	*
Regulations.....	*
SUBJECT INDEX.....	29
BIOGRAPHICAL INDEX.....	93
AUTHOR INDEX.....	101
ORGANIZATIONAL INDEX.....	105

*This issue does not contain citations under this category.

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ENTOMOLOGY

1857-69
MODIFIED CONTAINER FOR STUDY OF
PHOTOPERIODISM.

V E Adler

J Econ Entomol 62(1):269-270

17 Feb 1969 421 J822

Containers, Entomology, Equipment,
Photoperiodism, Research.1858-69
VACUUM CLEANER FOR USE WITH GRANU-
LAR APPLICATORS IN FIELDPLOT WORK.

R M Coan

J Econ Entomol 62(1):274-275

17 Feb 1969 421 J822

Chemical control (insects), Equipment, Hypera
postica, Insecticide application, Insecticides,
Vacuum cleaners.1859-69
A VACUUM PROBE FOR MANIPULATING IN-
SECTS.

R J Daum G H McKibben

J Econ Entomol 62(1):267-269

17 Feb 1969 421 J822

Anthonomus grandis, Entomology, Equipment,
Research, Vacuum.1860-69
A TECHNIQUE FOR STUDYING THE FEEDING
HABITS OF THE HORN FLY.

R L Harris J A Miller

J Econ Entomol 62(1):279-280

17 Feb 1969 421 J822

Equipment, Feeding, Haematobia irritans, Insect
behavior, Insect cages, Research.1861-69
AN AUTOMATED REPELLENCY-ASSAY
SYSTEM. II. A NEW ELECTRONIC BITOME-
TER-TIMER.

P Kashin B E Arneson

J Econ Entomol 62(1):200-205

17 Feb 1969 421 J822

Aedes aegypti, Equipment, Insect repellents,
Research, Statistical analysis.

SYSTEMATICS

1862-69
NEW OLD WORLD GENERA OF THE EU-
RYGENIINI (COLEOPTERA: ANTHICIDAE).

M Abdullah

Pakistan J Sci Indus Res 11(2):190-198

Apr 1968 475 P174

Anthicidae, Catalogs, Insect identification, Insect
taxonomy.1863-69
A UNIQUE FEMALE SPECIMEN FROM UPPER
BURMA: A NEW GENUS AND SPECIES OF
MICRELYTRINAE (HEMIPTERA: ALYDIDAE).

I Ahmad

Pakistan J Sci Indus Res 11(2):204-207

Apr 1968 475 P174

Alydidae, Insect taxonomy.

1864-69
SOME SPECIES OF PEDIIBIUS WALKER
(HYMENOPTERA, EULOPHIDAE) INHABIT-
ING CYNIPID OAK GALLS.

R R Askew

Entomophago 7(4):337-342

1962 421 EN835

Cynipidae, Eulophidae, Insect taxonomy, Parasitic
insects, Pediobius, Plant galls. French summary.1865-69
SUPPLEMENT TO THE REVISION OF THE
WEST-PALEARCTIC ICHNEUMONIDAE
SCAMBUS HTG. (FR)

J-F Aubert

Schweiz Entomol Ges Mitt 40(1/2):56-62 REF

20 Jul 1967 420 SW6

Ichneumonidae, Insect taxonomy. Contribution to
the study of Hymenoptera no. 60. revisions for 12
species of Scambus.1866-69
ORTHOPTEROLOGICAL NOTES. XXII. THE
GENUS MYRMECOPHILUS BERTH. IN ITALY.
(IT)

B Baccetti

Redia (SER 2)50:1-33 MAP REF

1967 421 R241

Formicidae, Insect biology, Insect identification,
Insect taxonomy, Insect vectors, Orthoptera,
Zoogeography. English summary.1867-69
THE DISTRIBUTION OF ANTS IN CENTRAL
SOUTHERN ENGLAND.

K E J Barrett

Soc Brit Entomol Trans 17(9):235-250 MAP REF

Mar 1968 420 SO15

Catalogs, Formicidae, Habitats, Insect geography,
Surveys.1868-69
THE CHIRONOMIDAE OF FLORIDA. II. THE
NUISANCE SPECIES.

E C Beck W M Beck

Flo Entomol 52(1):1-11 REF

Mar 1969 420 F662

Catalogs, Chironomidae, Insect identification, In-
sect taxonomy.1869-69
CONTRIBUTION TO THE FAUNA OF CONGO
(BRAZZAVILLE). MISSION OF A. VILLIERS
AND A. DESCARPENTRIES. LII. LEPIDOP-
TERA PIERIDAE. (FR)

G Bernardi

Inst Fondomentol Afr Noire Bull Ser A Sci Notar

(SER A)19(2):792-803 MAP REF

Apr 1967 515 D14

Insect identification, Insect taxonomy, Lepidop-
tera, Pieridae, Zoogeography.1870-69
AS YET UNKNOWN DOLICHOPODIDAE
(DIPT.) FOR THE BULGARIAN FAUNA. (GE)

V L Beschovski

Zool Anz 178(3-4,MAR-APR):219-224

Apr 1967 410 Z7

Catalogs, Dolichopodidae, Insect taxonomy, Sur-
veys.1871-69
A NUMERICAL TAXONOMY OF ORTHOPTE-
ROID INSECTS.

R E Blackith R M Blackith

Australro J Zool 16(1):111-131 REF

Feb 1968 410 AU73

Insect taxonomy, Methodology, Orthoptera.

1872-69
NEW LONGICORNS OF THE MUSEUM OF
NATURAL HISTORY AT GENEVA. (FR)

S Breuning

Schweiz Entomol Ges Mitt 40(1/2):27-36

20 Jul 1967 420 SW6

Cerambycidae, Insect collection, Insect taxonomy,
Natural history. Description of 22 new species and
genus.1873-69
A NEW SPECIES OF OTIDOEUCUS. (PHILOP-
TERIDAE, MALLOPHAGA).

W Buttiker

Schweiz Entomol Ges Mitt 40(1/2):92-95

20 Jul 1967 420 SW6

Insect taxonomy, Mallophaga, Parasitism, Philop-
teridae.1874-69
CONTRIBUTION TO THE FAUNA OF CONGO
(BRAZZAVILLE). MISSION OF A. VILLIERS
AND A. DESCARPENTRIES. L. ORTHOPTERA
GRYLLODEA. (FR)

L Chopard

Inst Fondomentol Afr Noire Bull Ser A Sci Notar

(SER A)19(2):758-776

Apr 1967 515 D14

Insect identification, Insect taxonomy, Orthoptera,
Zoogeography.1875-69
ON THE KNOWLEDGE OF THE EPHYDRIDAE
(DIPTERA, BRACHYCERA) FROM EASTERN
SIBERIA. (GE)

R Dahl

Notulae Entomol 48(1):35-39

1968 421 N84

Ephydriidae, Insect taxonomy.

1876-69
CONTRIBUTION TO THE FAUNA OF CONGO
(BRAZZAVILLE). MISSION OF A. VILLIERS
AND A. DESCARPENTRIES. LIII. HOMOP-
TERA CICADIDAE. (FR)

J Diabola

Inst Fondamentale Afr Noire Bull Ser A Sci Notur

(SER A)19(2):804-806

Apr 1967 515 D14

Cicadidae, Homoptera, Insect identification, Insect
taxonomy, Zoogeography.1877-69
A CONTRIBUTION TO THE KNOWLEDGE OF
THE BRACONIDAE OF SPAIN. I. NEW
DISCOVERIES OF GENERA AND SPECIES. (SP)

I Docavo Alberti

Entomophago 7(4):343-348

1962 421 EN835

Braconidae, Insect taxonomy. French summary.

1878-69
NEW LARVAE OF TROMBICULIDAE
(ACARIDAE), PARASITES ON THE MAMMALS
OF RUMANIA. (FR)

Z Feider

Zool Anz 180(5/6 MAY-JUN):409-423

1968 410 Z7

Insect taxonomy, Larvae, Leptotrombidium, Trom-
biculidae.1879-69
ON THE SUBGENUS OPACIFRONS DUDA OF
THE GENUS LEPTOCERA OLIVIER (DIP-
TERA, SPHAEROCERIDAE) WITH A DESCRIP-
TION OF A NEW SPECIES FROM NORTHERN
FENNOSCANDIA.

W Hackman

Notulae Entomol 48(1):40-44

1968 421 N84

Insect taxonomy, Leptocera, Sphaeroceridae.

1880-69
THE APHID FAUNA OF SPITSBERGEN.

O Heikinheimo

*Suomen Hyonteistieteellinen Aikokasikir Ann**Entomol Fenn* 34(2):82-93 MAP REF

Jun 1968 421 SU7

Aphididae, Insect identification, Insect taxonomy,
Zoogeography.1881-69
NEW MYMARIDAE (HYMENOPTERA, CHAL-
CIDOIDEA) FAUNA FOR FINLAND. (SW)

W Hellen

Notulae Entomol 48(1):34

1968 421 N84

Chalcidoidea, Insect taxonomy.

1882-69
PLATYGASTERID DISCOVERIES FROM FIN-
LAND (HYMENOPTERA, PROCTOTRU-
POIDEA). (GE)

W Hellen

Notulae Entomol 48(1):45-48

1968 421 N84

Hymenoptera, Insect taxonomy.

1883-69
EUDEROMPHALUS CLAVICORNIS THOMS.
(HYMENOPTERA, CHALCIDIDAE) FOUND IN
FINLAND. (SW)

W Hellen

Notulae Entomol 47(2):64

1967 421 N84

Chalcididae, Zoogeography.

1884-69

A NEW ANUROPHORINID GENUS FROM NORTHEAST BRAZIL (INS., COLLEMBOLA). (GE)

W Huther

Senckenb Biol 48(3):169-173

30 Jun 1967 410.9 SE5

Collembola, Insect taxonomy.

1885-69

RAINBOW'S END: THE QUEST FOR AN OPTIMAL TAXONOMY.

L A S Johnson

Linneon Soc New South Wales Proc 93(416,PT 1):8-45 REF

19 Nov 1968 514 SY2

Methodology, Statistical analysis, Taxonomy.

1886-69

HETEROPTERA CATCH FROM THE ISLAND OF CRETE. (GE)

M Josifov

Pol Akod Nouk Inst Zool Ann Zool 25(11):453-457

15 Mar 1968 410.9 W26

Heteroptera, Insect collection, Insect taxonomy. Polish and Russian summary. description of 55 species.

1887-69

SOME REMARKS CONCERNING SPHINX MOTHS CATCHES ON THE ISLAND OF SUMATRA. SUPPLEMENTARY INFORMATION CONCERNING THE KNOWLEDGE OF SPHINX MOTHS (II) (LEP. SPHINGIDAE). (GE)

K Kernbach West Germany Berlin

Deut Entomol Ges Mitt 26(4):65-70 REF

15 Oct 1967 420 D482

Insect collection, Insect taxonomy, SpHINGidae, Zoogeography. Description of 8 species.

1888-69

STREPSIPTERA FROM THE MISSISSIPPI COAST.

K T Khalaf

Flo Entomol 52(1):53

Mar 1969 420 F662

Catalogs, Strepsiptera, Surveys.

1889-69

NEW SPECIES OF HORN MITES (ACARIFORMES, ARIBATEI) FROM THE CAUCASUS AND TRANSCAUCASIA. (GE)

D A Krivolutsky

Zool Anz 178(3-4,MAR-APR):185-190

Apr 1967 410 Z7

Catalogs, Insect taxonomy, Oribatei.

1890-69

NEW SPECIES OF THE SARCOPHAGA MEIGEN GENUS (FAM. SARCOPHAGIDAE, DIPTERA). (FR)

A Z Lehrer

Zool Anz 178(3-4,MAR-APR):210-219

Apr 1967 410 Z7

Catalogs, Insect geography, Insect taxonomy, Sarcophaga.

1891-69

THE FINNISH EMPIRA-SPECIES (HYMENOPTERA, SYMPHYTA). (GE)

E Lindqvist

Notuloe Entomol 48(1):23-33

1968 421 N84

Insect taxonomy, Tenthredinidae.

Species of Empria found in Finland are cataloged and described, including four that are new to science.

1892-69

ON SOME SPECIES OF THE GENUS ARCTOSA C. L. KOCH AND TRICCA SIMON (ARANEAE-LYCOSIDAE). (IT)

G Lugetti P Tongiorgi

Redio (SER 2) 50.133-150 REF

1967 421 R241

Insect identification, Insect physiology, Insect taxonomy, Lycosidae, Spiders, Zoogeography. English summary.

1893-69

THE NORTH AMERICAN AGERIIDAE (LEPIDOPTERA): A REVISION BASED ON LATE-IN TAR LARVAE.

M R Mackay

Entomol Soc Can Mem (58):112 P

1968 420 EN824

Ageriidae, Insect biology, Insect taxonomy, Larvae, Lepidoptera, Plant hosts.

1894-69

AUSTRALIAN BLATTIDAE (BLATTODEA). VII. THE PLATYZOSTERIA GROUP; GENERAL REMARKS AND REVISION OF THE SUBGENERA PLATYZOSTERIA BRUNNER AND LEPTOZOSTERIA TEPPER.

M J Mackerras

Australion J Zool 15(6):1207-1298 MAP REF

Nov 1967 410 AU73

Catalogs, Insect geography, Insect taxonomy, Platyzozeria.

1895-69

A SURVEY OF THE SCUTACARID (ACARI: TARSONEMINI) FAUNA OF AUSTRALIA.

S Mahunka

Australian J Zool 15(6):1299-1323

Nov 1967 410 AU73

Catalogs, Insect geography, Scutacaridae, Surveys.

1896-69

NOTES ON CERAMBYCINAE (COL. CERAMBYCIDAE). (POR)

R Martins

Soo Poulo Dep Zool Popeis Avulsos 21(5)43-53

REF

31 Aug 1967 410.9 SA63

Cerambycidae, Insect taxonomy. English summary. 12 species are discussed

1897-69

A NEW GENUS OF SCELIONIDAE (HYMENOPTERA) WITH AUSTRAL DISJUNCTIVE DISTRIBUTION.

L Masner

New Zealand J Sci 11(4):652-663

Dec 1968 514 N482

Catalogs, Insect geography, Insect taxonomy, Scelionidae.

1898-69

MACROSIPHUM ALPINUM N. SP. (HOMOPTERA: APHIDIDAE). (GE)

W Meier

Schweiz Entomol Ges Mitt 40(1/2):118-124

20 Jul 1967 420 SW6

Aphididae, Insect biology, Insect morphology, Insect taxonomy, Plant hosts. English summary.

1899-69

GLOSSINA PALPALIS GAMBIENSIS VANDERPLANK 1949 (DIPTERA IN THE NIAYES AND PETITE COTE AREAS (SENEGAL). (FR)

P C Morel S M Toure

Rev Elevoge Med Vet Poys Trop 20(4):571-578

MAP

1967 41.8 R3262

Chemical control (insects), Diptera, Glossina palpalis, Humidity, Insect biology, Insect ecology, Palmae, Surveys, Zoogeography. English and Spanish summaries.

1900-69

TICKS FROM TURKEY (ACARI, IXODIDAE). (GER)

H Nemenz

Zool Anz 178(3-4,MAR-APR):191-195

Apr 1967 410 Z7

Catalogs, Insect geography, Insect taxonomy, Ixodidae.

1901-69

CONCERNING KNOWLEDGE OF THE ORDER PERIOMMATUS CHAPUIS (COLEOPTERA, PLATYPODIDAE). III. (GE)

M Nunberg

Pol Akod Nouk Inst Zool Ann Zool 25(6):373-380

10 Jan 1968 410.9 W26

Insect identification, Insect taxonomy, Plant hosts, Platypodidae. Polish and Russian summaries. description of 11 species.

1902-69

A NEW SPECIES OF HETEROCERINI (COLEOPTERA: HETEROCERIDAE).

F Pacheco

Flo Entomol 52(1):37-39

Mar 1969 420 F662

Heteroceridae, Insect taxonomy.

1903-69

BIONOMICS AND TAXONOMY OF MELOE (COLEOPTERA, MELOIDAE), WITH A CLASSIFICATION OF THE NEW WORLD SPECIES.

J D Pinto

Diss Abstr Sect B 29(7):2480B

Jan 1969 Z5055.U49D53

Insect anatomy, Insect identification, Insect taxonomy, Meloe, Meloidae, Sex behavior.

The new species identified are meloe bitoricollis, m.campanicolis, m.dianella, m.exiguus, m.nebulosus, m.vandykei. the species recognized in the new world are divided among three subgenera, meloe, treidous, eurymeloe.

1904-69

ON SOME STENINAE FROM THE HELSINKI ZOOLOGICAL MUSEUM (COLEOPTERA, STAPHYLINIDAE). (43. CONTRIBUTION TO THE KNOWLEDGE OF THE STENINAE). (GE)

V Puthz

Notuloe Entomol 47(2):47-53 REF

1967 421 N84

Catalogs, Insect taxonomy, Staphylinidae, Zoogeography.

1905-69

A REVIEW OF THE PRAYING MANTISES OF GHANA. (DICTYOPTERA MANTODEA).

D R Ragge R Roy

Inst Fondonental Afr Noire Bull Ser A Sci Notur

(SER A)19(2):586-644 MAP REF

Apr 1967 515 D14

Insect identification, Insect taxonomy, Mantis religiosa, Zoogeography. French summary. 73 species are discusses.

1906-69

WING MICRO-SCULPTURING IN TERMITE GENERA ODONTOTERMES, HYPOTERMES AND MICROTREMES (TERMITIDAE: MACROTERTITINAE) AND ITS TAXONOMIC VALUE.

M L Roonwall O B Chhotani

Zool Anz 178(3-4,MAR-APR):236-262

Apr 1967 410 Z7

Insect morphology, Insect taxonomy, Termitidae, Wings (insects).

1907-69

ICONOGRAPHY OF THE EGGS OF THE LEPIDOPTERA FAUNA OF BELGIUM. (FR.)

L G Sarlet

Lombillioneo 67(1/2):7-9

25 Feb 1968 420 N15

Insect eggs, Insect taxonomy, Lepidoptera. Continuation and to be continued.

1908-69

SOME INTERESTING NOCTUIDAE FINDS FROM THE TESSIN. (GE)

W Sauter G Sobrio

Schweiz Entomol Ges Mitt 40(1/2):130-132

20 Jul 1967 420 SW6

Insect taxonomy, Light traps, Noctuidae, Zanclog-natha tenuialis, Zoogeography.

1909-69

THE BARK BEETLES OF GREECE AND CYPRUS. (249. CONTRIBUTION TO THE MORPHOLOGY AND TAXONOMY OF THE SCOLYTOIDEA). (GE)

K E Schedl

- Notulae Entomol* 47(2):65-76 REF
1967 421 N84
Insect morphology, Insect taxonomy, Scolytidae.
- 1910-69
A NEW SPECIES OF ELASMOLOMUS (HETEROPTERA: LYGAEIDAE) FROM AUSTRALIA.
G G E Scudder A C Eyles
New Zealand J Sci 11(4):618-622
Dec 1968 514 N482
Insect morphology, Insect taxonomy, Lygaeidae.
- 1911-69
AQUATIC INSECT FAUNA OF BROWNSEA ISLAND AND THE ISLE OF PURBECK, DORSET.
M W Service
Soc Brit Entomol Trans 18(2):19-33 MAP
Mar 1968 420 SO15
Aquatic insects, Catalogs, Insect collection.
- 1912-69
ON THE DISTRIBUTION OF COLEOPTERA IN THE TVARMINNE ARCHIPELAGO.
H Silfverberg
Notulae Entomol 48(1):1-21 MAP REF
1968 421 N84
Coleoptera, Zoogeography.
- 1913-69
AN OLD FIND OF ENTOMOTROGUS MEGATOMOIDES RTT. (COLEOPTERA, DERMESTIDAE) FROM FINLAND. (SW)
H Silfverberg
Notulae Entomol 47(2):53
1967 421 N84
Dermestidae, Insect taxonomy.
- 1914-69
REVISION OF AFRICAN REDUVIIDAE. II. HARPACTORINAE. GENUS NAGUSTA STAL. (FR)
A Villiers
Inst Fondamental Afr Noire Bull Ser A Sci Natur (SER A) 19(2):657-694
Apr 1967 515 D14
Insect identification, Insect taxonomy, Reduviidae, Zoogeography.
- 1915-69
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Deut Entomol Ges Mitt 26(4):61-65
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Insect taxonomy, Miridae.
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Cadra cautella, Demography, Insect behavior, Insect population statistics, Temperature, Tribolium castaneum.
- 1918-69
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Embryology, Epiphyas postvittana, Insect morphology, Metamorphosis.
- 1919-69
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Diss Abstr Sect B 29(7):2675B
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- 1920-69
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Hypera postica, Insect pests, Plant protection, Research.
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Hymenoptera, Insect histology, Insect morphology, Insect physiology, Rectum.
- 1923-69
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TRAPPING FOR CONTROL OF THE MEXICAN FRUIT FLY IN MANGO AND CITRUS GROVES.
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- 1925-69
EFFECTS OF MALATHION ON THE HISTOPHYSIOLOGY OF MALPIGHIAN TUBULES OF PERIPLANETA AMERICANA (LINN.), DIPTOPTERA.
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Zool Anz 178(1-2,JAN-FEB):74-81 REF
Feb 1967 410 Z7
Insect histology, Insect physiology, Insecticides, Malathion, Malpighian tubes, Periplaneta americana.
- 1926-69
ADAPTATIONS TO TEMPERATURE IN GEOGRAPHIC RACES OF THE QUEENSLAND FRUIT FLY DACUS (STRUMETA) TYRONI.
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Dacus tryoni, Fertility, Insect adaptation, Insect ecology, Temperature.
- 1927-69
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D E Bay C W Pitts G Ward
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Cattle, Diet, Feces, Food moisture, Insect behavior, Musca autumnalis, Oviposition, Reproduction.
- 1928-69
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Biochemistry, Chromatography, Lasiocampidae, Noctuidae, Pupal cases, Saturniidae.
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M L Bobb
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Biological assay, Insect physiology, Juvenile hormone, Periplaneta americana, Reproductive organs.

1934-69
REPORT OF THIRD WORK CONFERENCE ON THE USE OF NUCLEARPOLYHEDROSIS VIRUS FOR CONTROL OF HELIOTHIS SPECIES.

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Entomol Soc Amer Bull 14(4):284
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Biological assay, Biological control (insects), Conferences, Heliothis, Insect diseases, Nuclear polyhedrosis virus, Reports, Virus diseases (insects).

1935-69

BAYGON IN FIELD TESTS AGAINST GERMAN COCKROACHES.

G S Burden B J Smittle

J Econ Entomol 62(1):262-263
17 Feb 1969 421 J822

Blattella germanica, Buildings, Chemical control (insects), Insecticide residues, Insecticides, Isopropoxyphenyl methylcarbamate, o-, Spraying.

1936-69

BEHAVIORAL AND PHYSIOLOGICAL ASPECTS OF MATING AND OVIPOSITION BY THE ADULT WESTERN CORN ROOTWORM, *DIABROTICA VIRGIFERA* LECONTE.

M D Cates

Diss Abstr Sect B 29(7):2478B-2479B
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Corn, *Diabrotica virgifera*, Experimental insects, Insect collecting equipment, Insect physiology, Insect rearing, Ovulation, Sex attractants, Temperature.

1937-69

THE DISTRIBUTION OF RADIOACTIVE STRONTIUM, CESIUM AND IODINE IN THE BODIES OF SOME INSECTS. (IT)

R Cavalloro U Cirio

Redio (SER 2)50:187-196 REF
1967 421 R241

Biochemistry, Cesium isotopes, Coleoptera, Fat body, Hymenoptera, Insect physiology, Intestines, Iodine isotopes, Lepidoptera, Orthoptera, Radioisotopes, Strontium isotopes. English summary.

1938-69

HINTS ON THE PERMANENT REARING OF *DACUS OLEAE* GMELIN (DIPTERA, TYRPETIDAE) IN THE LABORATORY. (IT)

R Cavalloro

Redio (SER 2)50:337-344
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Antisepsis, *Dacus oleae*, Humidity, Insect cages, Insect nutrition, Insect rearing, Photoperiodism, Temperature. English summary. publication no. 357 of the EURATOM biology division

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A NOTE ON THE OUTBREAK OF THE BOMBAY LOCUST, *PATANGA SUCCINCTA*, CYRTACANTHACRINAE, ACRIDIDAE, IN THE LACCADIVE ISLANDS DURING 1967.

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Acrididae, Crops, Insect outbreaks, Insect pests, *Patanga*, Plant injuries.

1940-69

SEPARATION OF THE FREE NINHYDRIN-POSITIVE FRACTIONS IN PHORMIA AND *DROSOPHILA* USING TWO-DIMENSIONAL HIGH VOLTAGE ELECTROPHORESIS. (GE)

P S Chen E Kubli F Hanimann

Rev Suisse Zool 75(3):509-523 REF
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Chromatography, *Drosophila melanogaster*, Electrophoresis, Ninhydrin reaction, Peptides, *Phormia regina*, Tables (data). English and French summaries.

1941-69

ENERGY METABOLISM IN INSECTS. (JA)

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Zool Soc Jap Zool Mog 77(1):1-11 REF

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Insect physiology, Insects, Metabolism.

1942-69

THE RESIDUAL CONTACT TOXICITY TO HONEY BEES OF INSECTICIDES SPRAYED ON TO WHITE CLOVER (*TRIFOLIUM REPENS* L.) IN THE LABORATORY.

P G Clinch

New Zeal J Agr Res 10(2):289-300 REF

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Apis mellifera, Chlorinated hydrocarbons, Insecticide residues, Insecticides, Organophosphorus insecticides, Toxicity, White clover.

1943-69

STUDIES ON THE ATTACK BEHAVIOR OF THE SOUTHERN PINE BEETLE. II. RESPONSE TO ATTRACTIVE HOST MATERIAL.

J E Coster R I Gara

Boyce Thompson Inst Contrib 24(4 JUL-SEP):69-75 REF
1968 451 B69

Attractants, *Dendroctonus frontalis*, Density, Forest insects, Insect behavior, Insect dissemination, Insect pests, Olfactometers, Scolytidae.

1944-69

A BIBLIOGRAPHY OF THE ALFALFA WEEVIL, *HYPERA POSTICA* (GYLLENHAL) SUPPLEMENT I.

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Entomol Soc Amer Bull 14(4):285-288 REF

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Bibliography, *Hypera postica*, Insect biology, Insect control, Zoogeography.

1945-69

ATTRACTION OF FEMALE BOLL WEEVILS TO TRAPS BAITED WITH MALES OR EXTRACTS OF MALES.

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E B Mitchell P M Huddleston J H Tumlinson

J Econ Entomol 62(1):154-161 REF

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Anthonomus grandis, Attractants, Baits, Extracts, Insect collecting equipment, Insect traps, Pheromones.

1946-69

THE ACCLIMATIZATION OF *ZONABRIS VARIABILIS* PALL. (COLEOPTERA, MELOIDAE) IN SARDINIA, 20 YEARS AFTER ITS INTRODUCTION. (IT)

A Crovetto

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Biological control (insects), Insect acclimatization, Meloidae, Orthoptera, Predaceous insects. English summary.

1947-69

SEXUAL STERILIZATION OF SCREW-WORM FLIES: RELIABILITY OF THE CHEMOSTERILANT TECHNIQUE.

M M Crystal

J Econ Entomol 62(1):136-139 REF

17 Feb 1969 421 J822

Biological control (insects), Chemical control (insects), Chemosterilants, *Cochliomyia hominivorax*, Experimental insects.

1948-69

THE ANAL GLANDS OF *GRYLLOTALPA GRYLLOTALPA* L. ULTRASTRUCTURE AND HISTOCHEMISTRY. (IT)

R Dallai G Melis

Redio (SER 2)50:197-207 REF

1967 421 R241

Anal gland, *Gryllotalpa gryllotalpa*, Histochemistry, Insect physiology, Mucoids, Secretion, Ultrastructure. English summary.

1949-69

VARIATIONS OF NUCLEIC ACID CONTENT IN THE SALIVARY GLANDS OF *DROSOPHILA HYDEI* DURING LATE LARVAL DEVELOPMENT.

G A Danielli E Rodino

Experientia 24(1):89-90 REF

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Biochemistry, Development, *Drosophila hydei*, Larvae, Nucleic acids, Salivary glands (insects).

1950-69

PERFORMANCE OF LABORATORY-REARED AND ARTIFICIALLY INSEMINATED HONEY BEE QUEENS.

A Dietz

J Econ Entomol 62(1):251-253

17 Feb 1969 421 J822

Apis mellifera, Artificial insemination, Experimental insects, Feeding, Insect rearing, Social insects.

1951-69

STUDIES ON THE STRUCTURE OF THE HEAD, MOUTH-PARTS AND THEIR MUSCULATURE IN *HIPPOBOSCA MACULATA* LEACH (DIPTERA: PUPIPARA).

G S Dogra

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Apr 1967 410 Z7

Head, Hippoboscidae, Insect morphology, Muscles.

1952-69

BIOLOGY AND COLONIZATION OF THE WINTER TICK IN THE LABORATORY.

R O Drummond T M Whetstone S E Ernst W J Gladney

J Econ Entomol 62(1):235-238 REF

17 Feb 1969 421 J822

Dermacentor albipictus, Experimental insects, Insect behavior, Insect biology, Social insects, Temperature.

1953-69

THE CONTROL OF SOME SPECIES OF PEST INSECTS BY *BACILLUS THURINGIENSIS* (RUM)

I Duvlea Z Beratlief S Predescu V Corpade C Sirbu

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Aporia crataegi, *Bacillus thuringiensis*, Biological control (insects), Chemical control (insects), Coleoptera, Hyphantria cunea, Insect pests, Insecticide resistant insects, *Lema melanopa*, Lepidoptera, Leptinotarsa, Spraying, Tables (data). Russian and English summary.

1954-69

LIGHT-DARK ADAPTATION IN *ACONE* APPOSITION EYES OF INSECTS. (GE)

M Eckert

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74(1):102-120 REF

1968 410 Z751Z

Eyes, Insect histology, Insect physiology, Light.

1955-69

A DEMONSTRATION THROUGH SYMBIOTIC MICROORGANISMS OF THE EFFECT OF STEROL SYNTHESIS IN ARTIFICIALLY FED APHIDS (HOMOPTERA, RHYNCHOTA, INSECTA). (GE)

P Ehrhardt

Experientia 24(1):82-83 REF

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Aphididae, Biochemistry, Insect metabolism, Insect nutrition, Sterols, Synthesis. English abstract

1956-69

SELECTION METHODS FOR PATHOGENIC FORMS OF MICROORGANISMS. (FR)

A A Evlakhova O I Chvetzova

Entomophago Mem Hors Ser (2):521-529 REF

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Bacillus cereus, Bacteria, *Beauveria bassiana*, Biological control (insects), Cobalt isotopes, *Galleria mellonella*, Gamma rays, Insect diseases, Insecticides, Methodology, Microorganisms, X-rays. English summary.

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RONDONEMA THAPARI N. SP. FROM THE
MILLIPEDE (SPIROSTREPTUS SP.).
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Zool Anz 178(3-4, MAR-APR):297-300
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- 1959-69
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INSECT NEMATODES.
M N Farooqui
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Nematodes, Taxonomy.
- 1960-69
CONTROL TESTS AGAINST DACUS OLEAE
GMEL. IN THE COASTAL REGION OF TUS-
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G A Fenili R Zocchi
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Dimethoate, Dosage, Insecticides, Menazon,
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OBSERVATIONS ON THE HISTO-MORPHOLO-
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1967 421 R241
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try, Insect histology, Insect morphology, Insect
physiology, Neodiprion sertifer, Ribonucleic acid,
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virescens, Heliothis zea, Insect pests, Integrated
control (insects), Methyl parathion, Plant pest re-
sistance, Polyhedroses, Virus diseases (insects).
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MISSION IN THE AMERICAN COCKROACH
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Pharmacology.
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Toxins.
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sects), Gryllotalpa gryllotalpa, Hibernation, Insect
behavior, Insect eggs, Insect nutrition, Insect pests,
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Larvae, Population, Statistical analysis.
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ton, Growth factors, Homoptera, Insect behavior,
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lants, Temperature.
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D D Hardee W H Cross E B Mitchell P M
Huddleston H C Mitchell M E Merkl T B Davich
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Anthonomus grandis, Attractants, Baits, Biological
control (insects), Insect cages, Insect collecting
equipment, Insect traps, Pheromones.

1979-69
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Actinomycin d, Carbon dioxide, *Drosophila melanogaster*, Insect diseases, Insect genetics, Mitomycins, Nucleases, Nucleic acids.

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DISPERSAL AND LOCAL DISTRIBUTION OF LABORATORY-REARED STERILE SCREW-WORM FLIES RELEASED IN WINTER.
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Cochliomyia hominivorax, Cold, Experimental insects, Insect dissemination, Insect flight, Insect rearing, Sterility, Temperature, Zoogeography.

1981-69
ON THE SPIRACLES OF THE LARVAE OF THE SUBORDER MYXOPHAGA (COLEOPTERA).
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Coleoptera, Insect morphology, Larvae, Spiracles.

1982-69
THE STRUCTURE OF THE SPIRACLES OF THE CATTLE TICK, *BOOPHILUS MICROPLUS*.
H E Hinton
Australro J Zool 15(5):941-945
Oct 1967 410 AU73
Boophilus microplus, Electron microscopy, Insect histology, Insect morphology, Spiracles.

1983-69
STRUCTURE AND ECDYSIAL PROCESS OF THE LARVAL SPIRACLES OF THE SCARABAEIDEA, WITH SPECIAL REFERENCE TO THOSE OF LEPIDODERMA.
H E Hinton
Australro J Zool 15(5):947-953
Oct 1967 410 AU73
Electron microscopy, Insect morphology, Metamorphosis, Molting (insects), Scarabaeidae, Spiracles.

1984-69
INVESTIGATION INTO A CONDITIONAL HOST MODIFICATION BY THE ICHNEUMONID FLY PERITHOUS DIVINATOR (ROSSI) (HYM., ICHNEUM.). (GE)
K Horstmann
Zool Anz 178(1-2 JAN-FEB):95-102
Feb 1967 410 Z7
Host relationships, Ichneumonidae, Insect morphology, Parasitism, Statistical analysis.

1985-69
THE RELATIVE ABUNDANCE OF SPECIES IN A WILD POPULATION OF MACRO-LEPIDOPTERA.
M M Hosny
An Agr Sci 10(2):79-89 REF
Dec 1965 24 AN72
Insect behavior, Light traps, Macrolepidoptera, Population, Statistical analysis, Ultraviolet rays.

1986-69
FIELD AND LABORATORY STUDIES OF ATTRACTION OF THE SYNTHETIC SEX PHEROMONE TO MALE CABBAGE LOOPER MOTHS.
A F Howland J W Debolt W W Wolf H H Toba T Gibson A N Kishaba
J Econ Entomol 62(1):117-122
17 Feb 1969 421 J822
Attractants, Baits, Insect collecting equipment, Light traps, Pheromones, Research, Sex, Trichoplusia ni

1987-69
SPECIFICITY OF INSECT VIRUSES.
C M Ignoffo
Entomol Soc Amer Bull 14(4):265-276 REF
Dec 1968 423.9 EN8
Animals, Disease transmission, Granuloses, Immunity, Insect diseases, Insect vectors, Plant disease resistance, Polyhedroses, Symptomatology, Tables (data), Virus diseases (insects).

1988-69
AGGREGATION OF GERMAN COCKROACH (*BLATTELLA GERMANICA*) NYMPHS.
S Ishii Y Kuwahara
Experientia 24(1):88-89
15 Jan 1968 475 EX7
Attractants, Biochemistry, *Blattella germanica*, Demography, Insect population statistics, Larvae.

1989-69
CHANGES IN GLYCOGEN-, LIPID-, AND NITROGEN METABOLISM OF THE IMAGO OF PYRRHOCORIS APTERUS L. IN CONNECTION WITH THE REPRODUCTION PROCESS. (GE)
V Janda
Zool Jahrbucher Abt Allg Zool Physiol Tiere 74(1):88-101 REF
1968 410 Z751Z
Glycogen, Insect metabolism, Insect reproduction, Lipids, Nitrogen, *Pyrrhocoris apterus*.

1990-69
ON THE ETHOMETRY OF SIGN STIMULI; THE THEORY OF THE TELOTACTIC CHOICE, AND THE POWER PRINCIPLE OF THE TERMINAL CUMULATION IN ARTHROPODS.
R Jander
Z Vergleichende Physiol 59(3):319-356 REF
1968 444.8 Z3
Arthropoda, Insect behavior, Insect ecology, Mathematical analysis, Stimuli, *Tenebrio molitor*, Vision. English summary.

1991-69
BIOLOGY OF THE FACE FLY: MIGRATION OF LARVAE.
C M Jones
J Econ Entomol 62(1):255-256
17 Feb 1969 421 J822
Insect behavior, Insect biology, Insect dissemination, Insect migration, Larvae, *Musca autumnalis*.

1992-69
STUDIES ON THE METAMORPHOSIS OF THE ALIMENTARY CANAL OF HYALOPHORA CECROPIA (L.).
K J Judy
Diss Abstr Sect B 29(7):2297B
Jan 1969 Z5055.U49D53
Gastrointestinal system, Hormones, *Hyalophora cecropia*, Insect histology, Insect morphology, Larvae, Metamorphosis.

1993-69
EFFECT OF RADIOFREQUENCY ELECTRIC FIELD TREATMENT ON PROTEIN METABOLISM IN YELLOW MEALWORM LARVAE.
A M Kadoum
J Econ Entomol 62(1):220-223
17 Feb 1969 421 J822
Amino acids, Biochemistry, Insect physiology, Larvae, Metabolism, Pest control, Proteins, Radioactivity, *Tenebrio molitor*.

1994-69
THE LIFE HISTORY OF *TRIBOLIUM CASTANEUM* (HERBST) (COLEOPTERA, TENEBRIONIDAE).
R P D Kapoor H S Chaudhry
Zool Anz 179(3-4, SEP-OCT):247-255 REF
Oct 1967 410 Z7
Insect morphology, Life cycle, Metamorphosis, *Tribolium castaneum*.

1995-69
THE POSSIBILITY OF THE OCCURRENCE OF WARM- AND COLD SEASON RELICTS ON THE ZITZMANNSDORF MEADOW AT THE NEUSIEDLER LAKE. (GE)
F Kasy
Arbeitsgemeinschaft Osterr Entomol Z 19(1):24-27
Aug 1967 421 W633
Insect migration, Lepidoptera, Temperature, Zoogeography.

1996-69
FLIGHT AND GROUND COLLECTION RECORDS OF *COSTELYTRA ZEALANDICA* (WHITE) AT A SITE IN CANTERBURY, NEW ZEALAND.
J M Kelsey
New Zealand J Sci 11(4):664-685
Dec 1968 514 N482
Costelytra zealandica, Insect collection, Insect populations, Statistical analysis, Surveys, Temperature, Weather.

Collections were taken of the grass grub beetle, *Costelytra zealandica*, through November and December for six years with electric filament lamps. The data is analyzed from both ground and flight collections and correlated with temperature and wind conditions.

1997-69
OVIPOSITION PREFERENCE BY *COSTELYTRA ZEALANDICA* (WHITE). II.
J M Kelsey
New Zeol J Agr Res 11(1):206-210
Feb 1968 23 N4892
Costelytra zealandica, Insect behavior, Oviposition, Pastures.

1998-69
DEVELOPMENTAL CHANGES IN THE LATE LARVA OF *CALLIPHORA STYGIA*. I. HAEMOLYMPH.
J F Kinnear M D Martin J A Thompson G J Neufeld
Australro J Biol Sci 21(5):1033-1045 REF
Oct 1968 442.8 AU72
Biochemistry, *Calliphora stygia*, Carbohydrates, Electrophoresis, Haemolymph, Insect morphology, Larvae, Lipids, Proteins.

1999-69
SUPPLEMENTARY INFORMATION ON KOREAN PSYLLIDAE. (HOMOPTERA PSYLLODEA). (GE)
S Klimaszewski
Polsko Akad Nauk Bull Ser Sci Biol 16(5):285-287
1968 512 W262
Insect anatomy, Insect identification, Psyllidae, Zoogeography.

2000-69
ENVIRONMENTAL FACTORS REGULATING THE DIURNAL VERTICAL MIGRATION OF *CHAOBORUS* LARVAE.
E J LaRow
Diss Abstr Sect B 29(7):2681B
Jan 1969 Z5055.U49D53
Chaoborus punctipennis, Diurnal rhythm, Environment, Insect migration, Larvae, Light, Temperature, Variance analysis.

2001-69
THE ROLE OF MOISTURE IN THE WINTER SURVIVAL OF THE BOLL WEEVIL COMPLEX IN ARIZONA.
J E Leggett R E Fye
J Econ Entomol 62(1):147-149
17 Feb 1969 421 J822
Anthonomus grandis, Equipment, Hibernation, Humidity, Insect physiology, Longevity, Oviposition, Soil temperature.

2002-69
MASS REARING TECHNIQUE OF RICE GALL MIDGE (*PACHYDIPLOSI ORYZAE* WOODMASON) AND NOTES ON ITS BIOLOGY.
P Leuamsang A Bhandhufalck T Wongsiri

Int Rice Comm News Lett 17(1):34-42

Mar 1968 59.9 IN83N

Cecidomyiidae, Humidity, Insect biology, Insect pests, Insect physiology, Insect rearing, Pachytiplosis oryzae, Plant pest control, Rice, Tables (data).

2003-69

TRANSMISSION OF A MOSQUITO IRIDESCENT VIRUS IN AEDES TAENIORHYNCHUS. I. LABORATORY EXPERIMENTS.

J R Linley H T Nielsen

J Invertebrate Pathol 12(1):7-16

Oct 1968 421 J826

Aedes taeniorhynchus, Culicidae, Disease transmission, Experimental insects, Insect rearing, Iridescent virus, Larvae, Tables (data), Virus diseases (insects).

2004-69

TRANSMISSION OF A MOSQUITO IRIDESCENT VIRUS IN AEDES TAENIORHYNCHUS. II. EXPERIMENTS RELATED TO TRANSMISSION IN NATURE.

J R Linley H T Nielsen

J Invertebrate Pathol 12(1):17-24

Oct 1968 421 J826

Aedes taeniorhynchus, Culicidae, Disease transmission, Experimental insects, Insect rearing, Iridescent virus, Larvae, Tables (data), Virus diseases (insects).

2005-69

FLASHES OF PHOTURIS FIREFLIES: THEIR VALUE AND USE IN RECOGNIZING SPECIES.

J E Lloyd

Fla Entomol 52(1):29-35

Mar 1969 420 F662

Attractants, Insect behavior, Insect identification, Insect mating, Luminescence, Photuris, Time.

2006-69

THE PRESENCE WAXES IN TWO KINDS OF LAC CELLS.

S Mahdihassan

Zool Anz 180(5/6 MAY-JUN):442-454

1968 410 Z7

Cells, Insect anatomy, Insect morphology, Insect physiology, Kerria, Lac, Waxes.

2007-69

THE EMBRYONIC DEVELOPMENT OF THE BRAIN IN PAUROMETABOLIC INSECTS. A STUDY ON CARAUSIUS MOROSUS AND PERIPLANETA AMERICANA. (GE)

P Malzacher

Z Morphol Okolog Tiere 62(2):103-161 REF

22 Jul 1968 442.8 Z33

Brain, Carausius morosus, Embryogenesis, Insect anatomy, Insect morphology, Periplaneta americana. English summary.

2008-69

STUDIES ON THE PHYSIOLOGY OF THE FAT BODY OF PYRRHOCORIS APTERUS L.

J S Martin

Diss Abstr Sect B 29(3):1155B-1156B

Sep 1968 Z5055.U49D53

Chromatography, Fat body, Glycerides, Growth factors, In vitro, Insect physiology, Lipids, Oogenesis, Pyrrhocoris apterus, Tissue culture.

2009-69

ON THE FOOD UTILIZATION AND DIGESTION OF MAJOR FOOD NUTRIENTS IN THE LEPIDOPTEROUS LARVAE FEEDING ON CAULIFLOWERS.

L M L Mathur

Zool Anz 178(1-2 JAN-FEB):82-89 REF

Feb 1967 410 Z7

Cauliflower, Food habits, Insect digestion, Insect metabolism, Larvae, Prodenia litura, Statistical analysis, Trichoplusia ni.

2010-69

MORPHOLOGY OF THE HEAD CAPSULE AND ITS APPENDAGES OF STENTHORUS GILVIFRONS MULSANT (COLEOPTERA: COCCINELLIDAE).

L M L Mathur

Zool Anz 179(3-4,SEP-OCT):264-271 REF

Oct 1967 410 Z7

Coccinellidae, Head, Insect morphology, Mouth parts.

2011-69

LINKAGE STUDIES OF ALDRIN RESISTANCE IN BLATTELLA GERMANICA (L.).

I C C McDonald

Diss Abstr Sect B 29(3):1053B

Sep 1968 Z5055.U49D53

Aldrin, Blattella germanica, Blattidae, DDT, Insect morphology, Insect mutation, Insecticides.

2012-69

LABORATORY EVALUATION OF SEVERAL NEW INSECTICIDES FOR CONTROL OF THE PALE WESTERN CUTWORM.

S McDonald

J Econ Entomol 62(1):30-35 REF

17 Feb 1969 421 J822

Agrotis orthogonia, Chemical control (insects), Dosage, Endrin, Experimental insects, Insecticides, Tables (data). 56 insecticides were evaluated.

2013-69

ISOLATION OF A SEX PHEROMONE OF THE CODLING MOTH.

L M McDonough D A George B A Butt M

Jacobson G R Johnson

J Econ Entomol 62(1):62-65

17 Feb 1969 421 J822

Biochemistry, Biological assay, Carpocapsa pomonella, Chromatography, Extracts, Insect pests, Pheromones, Sex.

2014-69

ARTIFICIAL SEX PHEROMONES FOR THE CODLING MOTH.

L M McDonough D A George B A Butt

J Econ Entomol 62(1):243-244

17 Feb 1969 421 J822

Attractants, Biological assay, Biological control (insects), Carpocapsa pomonella, Chemicals, Epoxides, Insect pests, Pheromones.

2015-69

THE EFFECT OF CLIMATIC INTEGRANTS ON POPULATION FLUCTUATIONS OF THE COLUMBIAN TIMBER BEETLE CORTHYLUS COLUMBIANUS HOPKINS (COLEOPTERA; SCOLYTIDAE).

M L McManus

Diss Abstr Sect B 29(7):2479B

Jan 1969 Z5055.U49D53

Acer rubrum, Acer saccharinum, Climate, Corthylus columbianus, Growth factors, Insect dissemination, Insect populations, Rainfall, Scolytidae, Temperature.

2016-69

HISTOCHEMISTRY AND ULTRASTRUCTURE OF THE FEMININE GENITAL DUCTS OF GRYLLOTALPA GRYLLOTALPA L. (IT)

G Melis R Dallai

Redia (SER 2) 50:163-186 REF

1967 421 R241

Glycidol, Gryllotalpa gryllotalpa, Histochemistry, Insect physiology, Orthoptera, Reproductive organs, Secretion, Spermatheca, Ultrastructure. English summary.

2017-69

THE COLOR CHANGE OF POECILIMON ORNATUS SCHMIDT IN THE POST-EMBRYONIC DEVELOPMENT. (ORTHOPTERA-TETTIGONIIDAE). (GE)

S Miksic

Arbeitsgemeinschaft Osterr Entomol Z 19(1):28-32

Aug 1967 421 W633

Color, Insect identification, Insect migration, Insect physiology, Larvae, Orthoptera, Tettigoniidae, Zoogeography.

2018-69

LABORATORY AND FIELD EVALUATION OF LARVICIDES AGAINST CHIRONOMID MIDGES.

M S Mulla A M Khasawinah

J Econ Entomol 62(1):37-41 REF

17 Feb 1969 421 J822

Chemical control (insects), Chironomidae, Experimental insects, Insecticides, Larvae, Larvicides.

2019-69

LABORATORY REARING OF APHIDS.

L R Nault

J Econ Entomol 62(1):261-262

17 Feb 1969 421 J822

Aphididae, Equipment, Experimental insects, Insect cages, Insect rearing, Insect vectors, Photoperiodism, Temperature, Virus diseases (plants).

2020-69

EFFECTS OF SIMULATED RAIN AND DEW ON THE TOXICITY OF CERTAIN ULTRA-LOW-VOLUME INSECTICIDAL SPRAY FORMULATIONS.

S J Nemec P L Adrisson

J Econ Entomol 62(1):71-73 REF

17 Feb 1969 421 J822

Anthonomus grandis, Chemical control (insects), Dew, Food moisture, Heliothis zea, Insecticide residues, Insecticides, Rainfall, Spraying, Toxicology.

2021-69

THE DEVELOPMENT OF THE THORAX MUSCLES OF PERIPLANETA AFTER CUTTING OF INDIVIDUAL NERVES. PRELIMINARY REPORT. (GE)

H Nuesch T Teutsch

Rev Suisse Zool 75(3):643-650

Sep 1968 410 R324

Growth factors, Inhibitors, Insect physiology, Muscles, Nerves, Periplaneta. English and French summaries.

2022-69

SAMPLING TO DETECT ECONOMIC INFESTATIONS OF LIMONIUS SPP.

J A Onsager

J Econ Entomol 62(1):183-189 REF

17 Feb 1969 421 J822

Chemical control (insects), Economics, Insect pests, Insecticides, Limoniidae, Population, Sampling (statistics), Zoogeography.

2023-69

A COMPARATIVE STUDY OF COMMUNICATION IN GRASSHOPPERS.

D Otte

Diss Abstr Sect B 29(3):1217B-1218B

Sep 1968 Z5055.U49D53

Communications, Grasshoppers, Insect behavior, Insect physiology, Research, Sex behavior, Vision.

2024-69

RECORDS OF PREDATORS AND PARASITES NATURALLY PREVALENT IN THE GUJARAT STATE.

H K Patel V C Patel J R Patel

Plant Protect Bull 19(3):36-38

1967 421 P69

Balance of nature, Biological control (insects), Insect pests, Parasitic insects, Predaceous insects, Research, Tables (data). Table includes scientific name of predator or parasite, order/family, and host, stage and period of parasitisation.

2025-69

CERTAIN MINOR CROP PESTS HITHERTO UNRECORDED FROM THE GUJARAT STATE.

H K Patel V C Patel J R Patel

Plant Protect Bull 19(3):26-31

1967 421 P69

Crops, Insect pests, Plant injuries, Tables (data). Tables including pest scientific name, order/family, nature of damage, and host plants are given.

2026-69

HISTOPATHOLOGY OF THE DEVELOPING REPRODUCTIVE SYSTEM OF AEDES STIMULANS (WALKER) (DIPTERA: CULICIDAE) UNDER THERMAL STRESS.

Patterson

Diss Abstr Sect B 29(7):2479B-2480B

Jan 1969 Z5055.U49D53

Aedes stimulans, Culicidae, Environment, Genes, Genotypes, Histopathology, Insect morphology, Insect physiology, Reproductive organs, Temperature.

2027-69

A LABORATORY EVALUATION OF BAITS AND CHEMOSTERILANTS ON THE LITTLE HOUSE FLY.

R D Pausch

J Econ Entomol 62(1):25-28

17 Feb 1969 421 J822

Attractants, Baits, Biological control (insects), Chemical control (insects), Chemosterilants, Experimental insects, *Fannia canicularis*, Insect pests.

2028-69

GEOGRAPHICAL VARIATION IN PAPRIDES NITIDUS (HUTTON) (ORTHOPTERA: ACRIDIDAE).

A J Peterson

New Zealand J Sci 11(4):693-705 MAP REF

Dec 1968 514 N482

Acrididae, Insect evolution, Insect geography, Insect morphology, Reproductive organs.

Variation in the morphology of the reproductive organs of *Paprides nitidus* is attributed to the distribution of the insect caused by the Pleistocene glaciation in New Zealand.

2029-69

HEAT-EXTRACTION TECHNIQUE FOR RECOVERY OF POTATO TUBERWORM LARVAE FROM POTATO TUBERS.

G R Platner P D Greaney E R Oatman

J Econ Entomol 62(1):271-272

17 Feb 1969 421 J822

Campoplex haywardi, Extracts, Heat, Insect biology, Insect rearing, Larvae, Parasitism, Phthorimaea operculella, Potato-tuber.

2030-69

ON THE HORMONAL CONTROL OF OVARIAN DEVELOPMENT IN THE FEMALE LARVA OF THE HETEROGONID GALL GNAT HETEROPEZA PYGMAEA WINNERTZ 1846 (DIPTERA, CECIDOMYIIDAE). (GE)

K Pohlhammer

Zool Jahrbucher Abt Allg Zool Physiol Tiere

74(1):1-30 REF

1968 410 Z751Z

Development, *Heteropeza pygmaea*, Insect histology, Insect hormones, Insect physiology, Ovaries.

2031-69

EFFECT OF DROPLET SIZE ON PERSISTENCE OF ULV MALATHION AND COMPARISON OF TOXICITY OF ULV AND EC MALATHION TO TOBACCO BUDWORM LARVAE.

S G Polles S B Vinson

J Econ Entomol 62(1):89-94

17 Feb 1969 421 J822

Chemical control (insects), Cotton, *Heliothis virescens*, Insect pests, Insecticides, Larvae, Malathion, Particle size determination, Toxicology.

2032-69

MORPHOLOGICAL AND HISTOCHEMICAL STUDY OF THE SCENT GLAND IN THE POND-SKATER, GERRIS SPINOLAE LETH. ET SEU. (GERRIDAE-INSECTA).

P S Ramamurthy Y Krishnanandam

Zool Anz 178(3-4,MAR-APR):198-210 REF

Apr 1967 410 Z7

Gerridae, Histochemistry, Insect morphology, Microscopy, Scent glands.

2033-69

ISOLATION OF THE POPULATION AGGREGATING PHEROMONE OF THE SOUTHERN PINE BEETLE.

J A A Renwick J P Vite

Boyce Thompson Inst Contrib 24(4,JUL-SEP):65-68

1968 451 B69

Attractants, Biological assay, Chromatography, *Dendroctonus brevicornis*, *Dendroctonus frontalis*, *Dendroctonus pseudotsugae*, Pheromones, Population, Spectrometry, Temperature.

2034-69

STRUCTURES OF UNKNOWN, POSSIBLY STRIDULATORY, FUNCTION OF THE WINGS AND BODY OF NEUROPTERA; WITH AN APPENDIX ON OTHER ENDOPTERYGOTE ORDERS.

E F Riek

Australion J Zool 15(2):337-348

Mar 1967 410 AU73

Insect morphology, Neuroptera, Stridulation, Wings (insects).

2035-69

COMPETITIVE MATING TESTS BETWEEN NORMAL AND ASPERMIC MALE HOUSE FLIES.

J G Riemann

J Econ Entomol 62(1):276-277

17 Feb 1969 421 J822

Aedes aegypti, Breeding, Insect behavior, Insect mating, *Musca domestica*, Reproduction, Research, Sterility.

2036-69

A MORPHOLOGICAL AND FUNCTIONAL STUDY OF THE VENOM APPARATUS IN REPRESENTATIVES OF SOME MAJOR GROUPS OF HYMENOPTERA.

P L Robertson

Australion J Zool 16(1):133-166 REF

Feb 1968 410 AU73

Evolution, Hymenoptera, Insect morphology, Reproductive organs, Venoms.

2037-69

POPULATION DYNAMICS OF THE COMMON HORSEFLIES AND DEERFLIES (TABANIDAE: DIPTERA) BREEDING ON A NEW JERSEY SALT MARSH.

E G Rockel

Diss Abstr Sect B 29(7):2480B-2481B

Jan 1969 Z5055.U49D53

Chrysops atlanticus, *Chrysops fuliginosus*, Diptera, Emergence, Humidity, Insect collecting equipment, Insect populations, Larvae, Larvicides, Lindane, Marshes, Ovulation, Population, *Spartina alterniflora*, Tabanidae, *Tabanus lineola*, *Tabanus nigrovittatus*, Temperature.

2038-69

ORGANOGENESIS OF THE FEMALE REPRODUCTIVE SYSTEM OF AN AEDINE MOSQUITO.

M C R Ronquillo

Diss Abstr Sect B 29(7):2481B

Jan 1969 Z5055.U49D53

Aedes stimulans, Culicidae, Insect eggs, Insect morphology, Insect physiology, Larvae, Reproduction, Reproductive organs.

2039-69

Biotic factors involved in crucifer aphid outbreaks following insecticide application.

R B Root J J Skelsey

J Econ Entomol 62(1):223-233 REF

17 Feb 1969 421 J822

Aphididae, Carbaryl, Cryolite, Insect outbreaks, Insect pests, Insecticide application, Insecticides, Plant injuries.

2040-69

INVESTIGATION INTO THE APPEARANCE OF THE THREE CASTES IN THE BUMBLEBEE COLONY. (GE)

P-f Roseler

Zool Jahrbucher Abt Allg Zool Physiol Tiere

74(2):178-197 REF

1968 410 Z751Z

Bombus, Insect behavior, Insect evolution, Insect morphology, Social insects.

2041-69

AN ANNOTATED LIST OF HYMENOPTEROUS PARASITES OF CITRUS SOFT SCALES IN ISRAEL.

D Rosen

Entomophaga 7(4):349-357

1962 421 EN835

Biological control (insects), *Ceroplastes floridensis*, *Ceroplastes rusci*, Citrus, *Coccus hesperidum*, Hymenoptera, Insect pests, Parasitic insects, French summary.

2042-69

COMPARATIVE BEE SOCIOLOGY I. ORIGIN OF COMMUNAL AND CASTE SYSTEMS. (JA)

S F Sakagami

Zool Soc Jap Zool Mag 77(2):35-43

Feb 1968 410.9 T57

Apiculture, Bees, Insect behavior, Social insects.

2043-69

ON THE MORPHOLOGY AND THE BIOLOGIES OF THE INSECTS OF ECONOMIC IMPORTANCE. II. HEAD APPENDAGES IN ALPHITOBIOUS DIAPERINUS (PANZ.) (TENEBRIONIDAE, COLEOPTERA).

K Sarin V B Tembe S C Saxena

Zool Anz 180(5/6 MAY-JUN):423-435 REF

1968 410 Z7

Alphitobius diaperinus, Antennae, Economics, Insect anatomy, Insect morphology, Tenebrionidae.

2044-69

HEAD CAPSULE OF ALPHITOBIOUS DIAPERINUS (PANZ.) (TENEBRIONIDAE-COLEOPTERA).

K Sarin V B Tembe S C Saxena

Zool Anz 179(3-4,SEP-OCT):256-264 REF

Oct 1967 410 Z7

Alphitobius diaperinus, Head, Insect morphology.

2045-69

ON THE SOIL FAUNA OF MEADOW AND ALFALFA STOCKED FIELDS OF DIFFERENT LOCATIONS WITH SPECIAL CONSIDERATION OF THE ORIBATIDS. (GE)

V Schalk

Pedobiologia 8(4):424-506 REF

1968 56.8 P343

Alfalfa, Catalogs, Collembola, Insect ecology, Soil insects, Surveys.

2046-69

DEMONSTRATION OF THE SYNTHESIS OF A YOLK PROTEIN UNDER THE INFLUENCE OF THE CORPORA ALLATA IN LEUCOPHAEA MADERAE. (GE)

R Scheurer M Luscher

Rev Suisse Zool 75(3):715-722 REF

Sep 1968 410 R324

Acrylamide, *Corpora allata*, Electron microscopy, Electrophoresis, Gels, Hemolymph, Hormones, *Leucophaea maderae*, Protein synthesis, Yolk sac. English and French summaries.

2047-69

PHOTOPERIODIC INDUCTION OF VERNAL PHENOTYPE IN PIERIS PROTODICE BOISDUAL AND LE CONTE (LEPIDOPTERA: PIERIDAE).

A M Shapiro

Wasmann J Biol 26(1,SPRING):137-149 REF

1968 442.8 W28

Insect morphology, Photoperiodism, *Pieris*, Polymorphism, Temperature.

2048-69

FLUCTUATIONS IN THE POPULATION OF SCHIZOLACHNUS PINIRADIATAE (DAVIDSON) (APHIDIDAE-HOMOPTERA) IN THE EASTERN PROVINCES DURING 1967. (FR)

M L Sharma R Laviolette

Entomol Soc Quebec Ann 13(2):89-97 MAP REF

May 1968 420 EN822

Aphididae, Biological control (insects), Fungi, Parasitism, *Pinus resinosa*, Population, Predaceous insects, *Schizolachnus piniradiatae*. English summary.

- 2049-69
THE FREE AMINO ACID PATTERN IN TISSUES OF SILKWORM DURING DEVELOPMENT. (RUS)
L I Shegolova Yu B Filippovich
Biokhimiya 32(4):766-773 REF
1967 385 B523
Bombyx mori, Insect morphology, Insect physiology, Larvae, Tissues. English summary.
- 2050-69
INHIBITION OF GROWTH OF BACILLUS THURINGIENSIS BY AMINO ACIDS IN DEFINED MEDIA.
S Singer M H Rogoff
J Invertebrate Pathol 12(1):98-104 REF
Oct 1968 421 J826
Amino acids, Ammonia, Bacillus thuringiensis, Bacterial diseases (insects), Biochemistry, Growth factors, Inhibitors, Nitrogen, Nutrition.
- 2051-69
MORPHOLOGY OF THE HEAD CAPSULE OF AELIA ROSTRATA BOH. (HEMIPTERA: PEN-TATOMIDAE).
N Sisi
Ankora Univ Fac Sci Commun (SER C) 12:31-42 REF
1967 330.9 AN4
Aelia rostrata, Head, Insect anatomy, Insect morphology, Insect pests, Insect physiology, Pentatomidae, Wheat. Turkish summary.
- 2052-69
EVOLUTIONARY MORPHOLOGY OF INSECT GENITALIA AS EXEMPLIFIED BY THE SAWFLY EUURA (HYMENOPTERA: TENTHREDINIDAE).
E L Smith
Diss Abstr Sect B 29(7):2481B
Jan 1969 Z5055.U49D53
Euura, Insect anatomy, Insect morphology, Reproductive organs, Tenthredinidae.
- 2053-69
EFFECTS OF APHOLATE ON THE ALFALFA WEEVIL.
R K Sprengel W G Yendol
J Econ Entomol 62(1):122-125 REF
17 Feb 1969 421 J822
Apholate, Chemical control (insects), Chemosterilants, Dosage, Hypera postica, Insect eggs, Mortality, Sterility.
- 2054-69
CHAMBERS FOR INCUBATING INDIVIDUAL INSECT EGGS AND EGG PARASITES.
E A Stadelbacher
J Econ Entomol 62(1):253-254
17 Feb 1969 421 J822
Biological control (insects), Equipment, Heliothis zea, Incubators, Insect eggs, Insecticide resistant insects, Parasitic insects, Trichogramma.
- 2055-69
FATTY ACIDS IN HYALOPHORA CECROPIA: BIOSYNTHESIS AND CONSTITUTION DURING DEVELOPMENT.
W F Stephen
Diss Abstr Sect B 29(7):2332B-2333B
Jan 1969 Z5055.U49D53
Biochemistry, Biosynthesis, Chromatography, Fatty acids, Hormones, Hyalophora cecropia, Insect morphology, Lipids, Quantitative analysis, Tissue culture.
- 2056-69
HOURLY AND SEASONAL COLLECTIONS OF SIX HARMFUL INSECTS IN TRAPS EQUIPPED WITH BLACKLIGHT LAMPS.
P A Stewart J J Lam
J Econ Entomol 62(1):100-102
17 Feb 1969 421 J822
Insect collecting equipment, Insect pests, Insect traps, Light traps, Temperature, Weather. The insects captured were: Pseudaletia unipuncta, Prodenia ornithogalli, Agrotis ipsilon, Harrisina americana, Diacrisia virginica, and Ostrinia nubilalis.
- 2057-69
INFLUENCE OF DISTANCE ON ATTRACTION OF TOBACCO HORNWORM AND CORN EARWORM MOTHS TO RADIATIONS OF A BLACKLIGHT LAMP.
P A Stewart J J Lam J L Blythe
J Econ Entomol 62(1):58-60
17 Feb 1969 421 J822
Attractants, Equipment, Experimental insects, Heliothis zea, Infrared rays, Insect behavior, Light traps, Manduca sexta, Radiation.
- 2058-69
MEASURING NEWLY HATCHED PHYTOPHAGOUS LARVAE IN THE FIELD OR GREENHOUSE.
P A Stewart J J Lam
J Econ Entomol 62(1):259
17 Feb 1969 421 J822
Feeding, Greenhouse culture, Heliothis virescens, Insect pests, Insect physiology, Larvae, Manduca sexta, Phytophagous insects, Plant pest resistance, Tobacco.
- 2059-69
PERFORMANCE OF THE ENGLISH GRAIN APHID ON STERILIZED AND UNSTERILIZED ARTIFICIAL DIET.
G R Sutter R W Kieckhefer
J Econ Entomol 62(1):254-255
17 Feb 1969 421 J822
Diet, Experimental insects, Insect nutrition, Insect rearing, Macrosiphum avenae, Myzus persicae, Reproduction, Sterilization.
- 2060-69
NEURAL ADAPTATIONS IN THE VISUAL PATHWAY OF CERTAIN HELICONIINE BUTTERFLIES, AND RELATED FORMS, TO VARIATIONS IN WING COLORATION.
S L Swihart
Zoologica (new York) 52(1, SPRING):1-14 REF
1967 410 Z722
Electrophysiology, Insect morphology, Insect physiology, Lepidoptera, Nerves, Pigments, Polymorphism, Vision, Wings (insects).
- 2061-69
STUDIES ON THE MORPHOLOGY AND RELATIONSHIPS OF MALE APIOMORPHA AND OPISTHOSCELIS (HEMIPTERA: COCCOIDEA).
J G Theron
Australian J Zool 16(1):87-99 REF
Feb 1968 410 AU73
Apiomorpha, Insect morphology, Opisthoscelis, Reproductive organs.
- 2062-69
SOME OBSERVATIONS ON CHEMORECEPTION IN THE ANTENNAE OF THE CENTIPEDE, SCOLOPENDRA SUBSPINIPES LEACH (MANDIBULATA-CHILPODA).
P B Van Weel D R Stokes E T Takafuji
Zool Jahrbucher Abt Allg Zool Physiol Tiere 74(1):31-53 REF
1968 410 Z751Z
Amino acids, Antennae, Carbohydrates, Chemoreceptors, Glycerol, Insect neurophysiology, Scolopendromorphidae.
- 2063-69
AN ARTIFICIAL DIET FOR LARVAE AND ADULTS OF CHRYSOPA CARNEA, AN INSECT PREDATOR OF CROP PESTS.
E S Vanderzant
J Econ Entomol 62(1):256-257
17 Feb 1969 421 J822
Chrysopa carnea, Crops, Diet, Feeding, Heliothis, Insect nutrition, Insect pests, Insect rearing, Larvae, Predaceous insects.
- 2064-69
STUDIES ON THE ATTACK BEHAVIOR OF THE SOUTHERN PINE BEETLE. IV. INFLUENCE OF HOST CONDITION ON AGGREGATION PATTERN.
J P Vite R G Crozier
Boyce Thompson Inst Contrib 24(4 JUL-SEP):87-93
1968 451 B69
Attractants, Chromatography, Dendroctonus frontalis, Feeding, Insect behavior, Insect dissemination, Olfactometers, Pinus taeda, Plant hardness, Resins.
- 2065-69
INSECT AND HOST FACTORS IN THE AGGREGATION OF THE SOUTHERN PINE BEETLE.
J P Vite J A A Renwick
Boyce Thompson Inst Contrib 24(4 JUL-SEP):61-63
1968 451 B69
Attractants, Dendroctonus frontalis, Insect behavior, Insect dissemination, Insect outbreaks, Pheromones, Population, Social insects.
- 2066-69
THE ECOLOGY OF SMINTHURUS VIRIDIS (COLLEMBOLA). II. DIAPAUSE IN THE AESTIVATING EGG.
M M H Wallace
Australian J Zool 16(5):871-883
Nov 1968 410 AU73
Collembola, Insect diapause, Insect eggs, Insect rearing, Metamorphosis.
- 2067-69
THE ECOLOGY OF SMINTHURUS VIRIDIS (L.) (COLLEMBOLA). I. PROCESSES INFLUENCING NUMBERS IN PASTURES IN WESTERN AUSTRALIA.
M M H Wallace
Australian J Zool 15(6):1173-1206 MAP REF
Nov 1967 410 AU73
Bdellidae, Collembola, Demography, Insect ecology, Plants, Soil series, Weather.
Five factors affecting numbers of Smintthurus viridis in pastures are: 1) weather, 2) soil type, 3) plants growing there, 4) predation by Bdellodes lapidaria, and 5) the eating of dead springtails by newly hatched nymphs.
- 2068-69
INFLUENCE OF AGING ON THE RATE OF INCORPORATION OF TRITIATED THYMIDINE IN THE NURSE CELLS OF DROSOPHILA MELANOGASTER.
J M Wattiaux M Lamborot
Currents Mod Biol 1(1):5-8 REF
Mar 1967 QH301.C8
Aging, Biochemistry, Cell nucleus, Deoxyribonucleic acid, Drosophila melanogaster, Insect physiology, Synthesis, Thymidine.
- 2069-69
PHYSIOLOGICAL BASES FOR THE LURING AND CATCHING OF INSECTS. (GE)
R Wiesmann
Schweiz Entomol Ges Mitt 40(1/2):37-55 REF
20 Jul 1967 420 SW6
Attractants, Humidity, Insect behavior, Insect collecting equipment, Insect physiology, Insect traps, Methodology, Sense organs, Temperature.
- 2070-69
SCORPION PRESERVATION FOR TAXONOMIC AND MORPHOLOGICAL STUDIES.
S C Williams
Wasmann J Biol 26(1, SPRING):133-136
1968 442.8 W28
Acetic acid, Alcohols, Formaldehyde, Heat treatment, Methodology, Scorpionida.
- 2071-69
THE USE OF IMAGINAL DISKS FOR THE DETERMINATION OF THE DEVELOPMENTAL STAGE OF LARVAE OF CHIRONOMUS (DIPT.). (GE)
W Wulker P Gotz
Z Morphol Okolog Tiere 62(4):363-388 REF
27 Aug 1968 442.8 Z33
Chironomidae, Chironomus thummi, Diptera, Gonads, Insect morphology, Larvae, Research, Time. English summary.

2072-69
BIOLOGY OF THE ROBBER FLY EUTOLMUS RUFIBARBIS MG. (DIPTERA, ASILIDAE) IN KHABAROVSK TERRITORY.
P A Yesipenko
Entomol Rev 46(1 JAN-MAR):61-62
Mar 1967 421 R322AE
Asilidae, Insect behavior, Insect ecology, Insect rearing.

2073-69
STUDIES ON THE EFFECT OF COMMERCIAL FORMULATIONS OF SOME ORGANOPHOSPHOROUS INSECTICIDES ON THE COTTON LEAF WORM, PRODENIA LITURA F. UNDER FIELD CONDITIONS.
M M Zaki M El-Ghar S H Mitry
An Agr Sci 10(1):35-45
Jun 1965 24 AN72
Chemical control (insects), Insecticides, Organophosphorus compounds, Prodenia litura. Arabic summary. ddt, endrin, lindane, dipterex, sevin, lebaycid were the specific insecticides evaluated.

GENETICS

2074-69
VIABILITY, PROPORTION BETWEEN THE SEXES AND OF THE X CHROMOSOMES OF DROSOPHILA MELANOGASTER. (POR)
M C Barros-Queiroz J M Campos-Rosado
Port Acta Biol Ser A (SER A)9(3/4):367-372
1966 442.8 P83
Chromosomes, Dosage, Drosophila melanogaster, Insect genetics, Sex ratios, Viability. English summary.

2075-69
STUDIES ON THE GENETIC AND ENVIRONMENT REGULATION OF XANTHINE DEHYDROGENASE AND ITS GENETICALLY RELATED ENZYMES IN DROSOPHILA MELANOGASTER.
J F Collins
Diss Abstr Sect B 29(7):2299B-2300B
Jan 1969 Z5055.U49D53
Biochemistry, Chromatography, Chromosomes, Drosophila melanogaster, Enzymes, Insect cultures, Insect genetics, Xanthine dehydrogenase.

2076-69
SEX AND SELECTION FOR A QUANTITATIVE CHARACTER IN DROSOPHILA. I. SINGLE-SEX SELECTION.
R Frankham
Australian J Biol Sci 21(6):1215-1223 REF
Dec 1968 442.8 AU72
Drosophila melanogaster, Insect breeding, Insect genetics, Sex.

2077-69
SEX AND SELECTION FOR A QUANTITATIVE CHARACTER IN DROSOPHILA. II. THE SEX DIMORPHISM.
R Frankham
Australian J Biol Sci 21(6):1225-1237 REF
Dec 1968 442.8 AU72
Drosophila, Insect breeding, Insect genetics, Polymorphism, Sex.

2078-69
ASPECTS OF RNA AND PROTEIN SYNTHESIS IN IMAGINAL DISCS OF DROSOPHILA MELANOGASTER.
J W L Fristrom L Brothers V Mancebo D Stewart
Z Vererbungslehre 102(1):1-14 REF
1968 442.8 Z34
Drosophila melanogaster, Insect genetics, Larvae, Proteins, Ribonucleic acid, Synthesis.

2079-69
THE INFLUENCE OF THE GENOTYPE ON CELL AFFINITIES IN COMBINATIONS OF IMAGO ORGANISMS OF DROSOPHILA MELANOGASTER. (SP)

A Garcia-Bellido
Port Acta Biol Ser A (SER A)9(3/4):308-320
REF
1966 442.8 P83
Biochemistry, Cells, Drosophila melanogaster, Enzymes, Genotypes, Insect genetics, Microorganisms. English summary.

2080-69
INHERITANCE AND BIOCHEMISTRY OF OP-RESISTANCE IN A NEW YORK STRAIN OF THE TWO-SPOTTED SPIDER MITE.
D H C Herne A W A Brown
J Econ Entomol 62(1):205-209 REF
17 Feb 1969 421 J822
Biochemistry, Breeding, Cholinesterases, Inheritance, Insect genetics, Insecticide resistant insects, Malaoxon, Malathion, Organophosphorus compounds, Parathion, Tetranychus urticae.

2081-69
GENETIC HETEROGENEITY AMONG THE FOUNDERS OF LABORATORY POPULATIONS OF DROSOPHILA MELANOGASTER. II. MATING BEHAVIOUR.
S M W Hosgood P A Parsons
Australian J Biol Sci 20(6):1193-1203 REF
Dec 1967 442.8 AU72
Drosophila melanogaster, Insect behavior, Insect genetics, Mating habits, Polymorphism.

2082-69
5-AMINOACRIDINE INDUCED CROSSING OVER IN THE DROSOPHILA MALE.
A H Khan
Naturwissenschaften 55(2):85-86
Feb 1968 474 N213
Drosophila, Insect genetics, Lethal factor, Mutations.

2083-69
GENETIC AND CYTOGENETIC RELATIONSHIPS AMONG CERTAIN NEARCTIC ANOPHELES.
R D Kreutzer
Diss Abstr Sect B 29(1):2681B
Jan 1969 Z5055.U49D53
Anopheles, Chromosomes, Cytogenetics, Insect genetics, Insect morphology.

2084-69
RELATIVE FITNESS OF A THIRD CHROMOSOME INVERSION IN DROSOPHILA MELANOGASTER.
R F Nassar
Australian J Biol Sci 21(6):1179-1186 REF
Dec 1968 442.8 AU72
Chromosomes, Drosophila melanogaster, Insect genetics, Insect hardiness.

2085-69
GENETIC HETEROGENEITY AMONG THE FOUNDERS OF LABORATORY POPULATIONS OF DROSOPHILA MELANOGASTER. III. STERNOPLURAL CHAETAE.
P A Parsons
Australian J Biol Sci 21(2):297-302
Apr 1968 442.8 AU72
Drosophila melanogaster, Insect genetics, Polymorphism.

2086-69
THE TAXONOMY, CYTOLOGY AND GENETICS OF GENUS TIMARCHA (COL. CRIS). I. KARYOTYPE OF T. GOETTINGENSIS L. SSP. CATALAUNENSIS FAIRM.. (SP)
E Petitpicre
Genet Iber 20(1-2):13-21 REF
1968 443.8 G28
Chromosomes, Chrysomelidae, Cytogenetics, Insect genetics. English abstract

2087-69
EFFECTIVENESS OF REGULAR CYCLES OF INTERMITTENT ARTIFICIAL SELECTION FOR A QUANTITATIVE CHARACTER IN DROSOPHILA MELANOGASTER.
K A Rathie J S F Barker
Australian J Biol Sci 21(6):1187-1213 REF

Dec 1968 442.8 AU72
Drosophila melanogaster, Insect breeding, Insect genetics, Insect rearing.

2088-69
PERICENTRIC INVERSION POLYMORPHISM IN TRIMEROTROPIS HELFERI (ORTHOPTERA: ACRIDIDAE) AND ITS EFFECT ON CHIASMA FREQUENCY.
G L Schroeter
Diss Abstr Sect B 29(7):2307B
Jan 1969 Z5055.U49D53
Acrididae, Aerohoreutes, Chromosomes, Circotettix, Insect biology, Insect genetics, Polymorphism, Trimerotropis helferi.

2089-69
EMBRYONIC DEVELOPMENTAL MUTATIONS OF THE NULLOSOMES AND TETRASOMES OF THE THIRD CHROMOSOME OF DROSOPHILA MELANOGASTER. (GE)
M E L Scriba
Develop Biol 19(2):160-177 REF
Feb 1969 442.8 D49
Chromosomes, Development, Drosophila melanogaster, Insect genetics, Insect histology. English abstract

2090-69
TERATOLOGY OF THE BEETLE TENEBRIO MOLITOR. III. ULTRASTRUCTURAL ALTERATIONS IN THE FLIGHT MUSCULATURE OF THE PUPAL-WINGED ADULT.
E A Steinhaus R D Zeikus
J Invertebrate Pathol 12(1):40-52 REF
Oct 1968 421 J826
Abnormalities, Coleoptera, Degeneration, Insect anatomy, Insect flight, Insect genetics, Muscles, Tenebrio molitor.

2091-69
AUTONOMOUS PLEIOTROPY IN DROSOPHILA.
C Stern C Tokunaga
Nat Acad Sci Proc 60(4):1252-1259 REF
Aug 1968 500 N21P
Chromosomes, Drosophila melanogaster, Eyes, Insect genetics, Insect mutation.

2092-69
INHERITANCE OF RESISTANCE TO ORGANOPHOSPHORUS ACARICIDES IN THE CATTLE TICK, BOOPHILUS MICROPLUS.
B F Stone
Australian J Biol Sci 21(2):309-319 REF
Apr 1968 442.8 AU72
Acaricides, Boophilus microplus, Insect genetics, Insecticide resistant insects, Organophosphorus compounds.

2093-69
BRAIN CHOLINESTERASE ACTIVITY AND ITS INHERITANCE IN CATTLE TICK (BOOPHILUS MICROPLUS) STRAINS RESISTANT AND SUSCEPTIBLE TO ORGANOPHOSPHORUS ACARICIDES.
B F Stone
Australian J Biol Sci 21(2):321-330 REF
Apr 1968 442.8 AU72
Alleles, Boophilus microplus, Cholinesterases, Histochemistry, Insect biochemistry, Insect genetics, Insecticide resistant insects.

2094-69
A GYNANDROMORPHIC GRASSHOPPER PRODUCED BY DOUBLE FERTILIZATION.
M J D White
Australian J Zool 16(1):101-109 REF
Feb 1968 410 AU73
Gynandromorphism, Insect genetics, Valanga irregularis.

2095-69
CYTOGENETICS OF THE VIATICA GROUP OF MORABINE GRASSHOPPERS. I. THE COASTAL SPECIES.
M J D White R E Blackith R M Blackith J Cheney
Australian J Zool 15(2):263-302 MAP REF

Mar 1967 410 AU73

Acridoidea, Chromosomes, Cytogenetics, Insect genetics, Insect rearing.

2096-69

KARYOTYPES AND NUCLEAR SIZE IN THE SPERMATOGENESIS OF GRASSHOPPERS BELONGING TO THE SUBFAMILIES GOMPHOMASTACINAE, CHININAE AND BIROELLINAE (ORTHOPTERA, EUMASTACIDAE).

M J D White

Caryologia 21(2, APR-JUN):167-179 REF

1968 442.8 C25

Cell nucleus, Chromosomes, Cytogenetics, Insect genetics, Orthoptera, Spermatogenesis.

2097-69

AUTOMATED SEXING OF PUPAE AND ITS USEFULNESS IN CONTROL BY STERILE INSECTS.

M J Whitten

J Econ Entomol 62(1):272-273

17 Feb 1969 421 J822

Biological control (insects), Color, Insect genetics, *Lucilia cuprina*, Sex determination.

MEDICAL ENTOMOLOGY

2098-69

GROSS VARIATIONS IN THE RESPONSE TO MAN AMONG YELLOW-FEVER MOSQUITO POPULATIONS IN THE LABORATORY.

A A Khan H I Maibach W G Strauss

J Econ Entomol 62(1):96-98

17 Feb 1969 421 J822

Aedes aegypti, Breeding, Experimental insects, Human diseases, Insect dissemination, Insect vectors, Medical entomology, Population, Yellow fever.

CROP PROTECTION

2099-69

1968 U.S. RICE PRODUCTION STATISTICS.

Rice J 71(13):26-27

Dec 1968 59.8 R36

Productivity, Rice, Statistics, Time.

2100-69

A COMPARATIVE STUDY ON UREA SPRAYS UPON SOME DECIDUOUS FRUIT TREES.

A F Abdelal A L El-Tomi

An Agr Sci 10(1):333-349 REF

Jun 1965 24 AN72

Foliar application, Fruit, Nitrogen, Plant nutrition, Plant physiology, Spraying, Trees, Urea. Arabic summary.

2101-69

DEVELOPING ALFALFA RESISTANT TO ALFALFA WEEVIL OVIPOSITION.

T H Busbice W V Campbell J O Rawlings D K

Barnes R H Ratcliffe C H Hanson

Crop Sci 8(6, NOV-DEC):762-767 REF

1968 64.8 C883

Alfalfa, *Hypera postica*, Larvae, Oviposition, Plant breeding, Plant genetics, Plant pest resistance, Plant physiology, Tables (data).

2102-69

RESISTANCE TO BROWN STEM ROT IN SOYBEANS.

D W Chamberlain R L Bernard

Crop Sci 8(6, NOV-DEC):728-729

1968 64.8 C883

Cephalosporium gregatum, Crop varieties, Plant breeding, Plant disease resistance, Plant diseases, Plant genetics, Soybeans.

2103-69

REDUCTION IN MORTALITY OF PEACH TREES FOLLOWING PREPLANT SOIL FUMIGATION.

W A Chandler

Plant Dis Rep 53(1):49-53 REF

Jan 1969 1.9 P69P

Carbon disulfide, *Cricanemoides*, Dibromo-3-chloropropane, 1,2-, Fungicides, Fungus diseases (plants), Mortality, Nematocides, Parasitism, Peaches, *Pratylenchus*, Root rot, Soil fumigation, Trees, *Xiphinema*.

2104-69

COMANDRA RUST DAMAGE TO PONDEROSA PINE IN OREGON AND WASHINGTON.

T W Childs

8P PORTLAND, OREGON, DEPARTMENT OF AGRICULTURE

1968 ASB608.P6505

Canker, *Cronartium comandrae*, *Pinus ponderosa*, Rust, Tree diseases, Wood destroying fungi.

2105-69

CONCLUSIONS AND RESOLUTIONS OF THE GENERAL ASSEMBLY OF THE INTERNATIONAL COMMISSION FOR THE BIOLOGICAL CONTROL OF PLANT PESTS (C. I. L. B.). TUNIS, MARCH 26-APRIL 4, 1962. (FR)

Entomophaga 7(4):307-323

1962 421 EN835

Bibliography, Biological control (pests), Integrated control (pests), International cooperation, Plant diseases, Plant pest control, Plant protection. German text opposite French text.

2106-69

SEEDLINGS VIGOR EVALUATION OF FOUR BIRDSFOOT TREFOIL VARIETIES GROWN UNDER TWO TEMPERATURE REGIMES.

C S Cooper M Qualls

Crop Sci 8(6, NOV-DEC):756-757

1968 64.8 C883

Birdsfoot trefoil, Growth factors, Plant adaptation, Plant hardness, Plant physiology, Seedlings, Temperature.

2107-69

A RICE SEED FARM IN CENTRAL AMERICA.

J N Efferson

Rice J 71(13):6-10

Dec 1968 59.8 R36

Productivity, Rice, Seeds.

2108-69

INHERITANCE OF CROWN RUST RESISTANCE IN AVENA STERILIS.

G Fleischmann R I H McKenzie

Crop Sci 8(6, NOV-DEC):710-713 REF

1968 64.8 C883

Avena sterilis, Crown rust, Genes, Oats, Plant breeding, Plant disease resistance, Plant diseases, Plant genetics.

2109-69

PROBLEMS IN PLANT PATHOLOGY AND ENTOMOLOGY FIELD TRIALS.

G H Freeman

Exp Agr 3(4):351-358 REF

Oct 1967 10 EX72

Entomology, Plant diseases, Research.

2110-69

GERMINATION, GROWTH, AND RESPIRATION RATES OF BIRDSFOOT TREFOIL AT THREE TEMPERATURES DURING THE EARLY NONPHOTOSYNTHETIC STAGE OF DEVELOPMENT.

M Qualls C S Cooper

Crop Sci 8(6, NOV-DEC):758-760 REF

1968 64.8 C883

Birdsfoot trefoil, Growth factors, Plant physiology, Plant respiration, Seed germination, Seedlings, Tables (data), Temperature.

2111-69

LEAF PUBESCENCE IN COMMON WHEAT, TRITICUM AESTIVUM L., AND RESISTANCE TO THE CEREAL LEAF BEETLE, OULEMA MELANOPUS (L.).

K Ringlund E H Everson

Crop Sci 8(6, NOV-DEC):705-710 REF

1968 64.8 C883

Genes, Larvae, *Oulema melanopus*, Plant breeding, Plant genetics, Plant pest resistance, Pubescence, *Triticum aestivum*.

2112-69

DISEASES OF SUGARBEET IN ARIZONA.

E G Ruppel

Plant Dis Rep 53(1):56-58

Jan 1969 1.9 P69P

Crop yields, Epidemiology, Fungus diseases (plants), Plant nematodes, Sugar beets, Virus diseases (plants).

2113-69

PRELIMINARY RESULTS OF ATTEMPTS TO FORM THE ADVISORY BOARD FOR INTEGRATED PLANT PROTECTION. (GE)

H Steiner

Nachrichtenbl Deut Pflanzenschutzdienstes

19(1):6-7

Jan 1967 442.9 B832

Agricultural regulation, Insect pests, Plant diseases, Plant protection, Plant quarantine.

2114-69

DDT RESISTANCE IN BARLEY, HORDEUM VULGARE- I. INDUCED MUTANTS FOR RESISTANCE.

A T Wallace F O Rillo R M Browning

Radiat Bot 8(5):381-388 REF

Dec 1968 450 R11

Barley, Chlorophylls, DDT, Genes, Leaves, Plant genetics, Plant hardness, Plant mutation, Resistance. French and German summaries.

DISEASES

2115-69

ARSENAL FOR DISEASE CONTROL.

Anonymous

Amer Veg Grower 17(1):20,34

Jan 1969 80 C733

Aerial spraying, Fungicides, Fungus diseases (plants), Late blight, Maneb, Plant disease control, Potatoes, Soil-borne plant diseases, Spraying. Many fungicides are mentioned.

2116-69

EFFECTS OF POTASSIUM, MAGNESIUM, AND NITROGEN DEFICIENCIES ON THE CONCENTRATION OF CHLOROGENIC ACID AND SCOPOLIN IN TOBACCO.

G M Armstrong

Diss Abstr Sect B 29(7):2311B

Jan 1969 Z5055.U49D53

Biosynthesis, Chlorogenic acid, Lignin, Magnesium, Nitrogen, Plant physiology, Potassium, Scopolin, Tobacco.

2117-69

MODERN METHODS OF DISEASE CONTROL IN FLORIST AND NURSERY CROPS.

K F Baker S H Smith

Calif Agr 21(8):10-12

Aug 1967 100 C12CAG

Greenhouse culture, Mechanization, Plant disease control, Plant diseases, Reproduction.

2118-69

LINE PATTERN DISEASE OF RASPBERRY.

W Basak

Polska Akad Nauk Bull Ser Sci Biol 16(5):307-310

1968 512 W262

Dieback, Insect vectors, Line pattern, Raspberries, Ring spot, Virus diseases (plants).

2119-69

RELATIVE SUSCEPTIBILITY OF THREE PEANUT CULTIVARS TO FAT LEG (SEEDLING GROWTH ANOMALY) CAUSED BY SEED TREATMENT WITH AN ORGANIC MERCURY FUNGICIDE.

D K Bell

Plant Dis Rep 53(1):12-14

Jan 1969 1.9 P69P

2120-69

Fungicides, Mercury compounds, Peanuts, Plant abnormalities, Plant disease resistance, Seed germination, Seed treatment.

2120-69

PROOF OF THE PRESENCE OF THE TOMATO BUSHY STUNT VIRUS IN GRAPE TENDRILS. (GE)

R Berck

Phytopathol Z 60(3):273-277 REF

Nov 1967 464.8 P562

Bushy stunt, Grapes, Sap, Serological tests, Tomatoes, Virus diseases (plants). English summary.

2121-69

PHYTOPHTHORA CINNAMOMI RANDS ON CONIFERS IN NEW SOUTH WALES.

A L Bertus

Agr Goz New S Wales 79(12):751-754

Dec 1968 23 N472

Coniferae, Fungus diseases (plants), Phytophthora cinnamomi, Plant disease resistance, Root rot.

2122-69

CROWN GALL TUMORS IN VARIOUS SPECIES AND HYBRIDS OF KALANCHOIDEAE. (GE)

M Bopp F Resende

Port Acto Biol Ser A (SER A) 9(3/4):327-366

REF

1966 442.8 P83

Agrobacterium tumefaciens, Crown galls, Hybrids, Kalanchoe, Plant diseases, Plant genetics, Plant physiology, Teratoma. English summary.

2123-69

A RAPID METHOD FOR DETERMINING THE PATHOGENICITY AND FACTORS ASSOCIATED WITH PATHOGENICITY OF PHYTOPHTHORA CACTORUM.

Z Borecki D F Millikan

Phytopathology 59(2):247-248

Feb 1969 464.8 P56

Apples, Fungus diseases (plants), Methodology, Pathogenicity, Phloem, Phytophthora cactorum, Plant disease resistance.

2124-69

STEM PITTING OF ITALIAN PRUNE.

H R Cameron

Plant Dis Rep 53(1):4-6

Jan 1969 1.9 P69P

Myrobalan plums, Plums, Prunus, Stem pitting, Symptomatology, Virus diseases (plants). Correction, ibid 53(5):408, May, 1969 of illustrations on p. 6.

2125-69

KINETIN-LIKE SUBSTANCES PRODUCED BY PLANT TUMORS.

F M Catarino F Resende

Port Acto Biol Ser A (SER A) 9(3/4):373-382

REF

1966 442.8 P83

Agrobacterium tumefaciens, Crown galls, Kinetin, Plant galls, Plant genetics.

2126-69

MECHANISM OF RESISTANCE OF CARROT ROOTS TO PYTHIUM APHANIDERMATUM (EDS.) FITZ.

D K Chakravarty D N Srivastava

Phytopathol Z 60(3):259-261

Nov 1967 464.8 P562

Carrots, Fungus diseases (plants), Inhibitors, Phenols, Plant disease resistance, Plant protective devices, Pythium aphanidermatum, Rhizopus stolonifer, Roots. German summary.

2127-69

EFFECT OF 2,4-DICHLOROPHENOXYACETIC ACID ON TOBACCO MOSAIC VIRUS INFECTION.

P C Cheo

Phytopathology 59(2):243-244 REF

Feb 1969 464.8 P56

Cucumbers, D. 2,4-, Dosage, Mosaic, Plant disease resistance, Plant physiology, Tobacco, Virus diseases (plants).

2128-69

CONTRIBUTION TO THE APPLICATION METHOD FOR FUNGICIDES TO CONTROL POTATO BLIGHT. (CZ)

Z Chladek

Agrochemie 8(7):208-213

1968 385 AG88

Brown rot, Chemical control (plant diseases), Copper, Fungicides, Fungus diseases (plants), Leaves, Pesticide application, Potatoes, Spraying. English, Russian, and, German summaries.

2129-69

SUSCEPTIBILITY OF THREE PINE SPECIES TO SCLERODERRIS LAGERBERGII IN UPPER MICHIGAN.

C E Cordell D D Skilling J W Benzie

Plant Dis Rep 52(1):37-39

Jan 1968 1.9 P69P

Fungus diseases (plants), Mortality, Pinus banksiana, Pinus resinosa, Pinus sylvestris, Plant disease resistance, Scleroderris lagerbergii, Susceptibility.

2130-69

BACTERIAL FRUIT ROT OF WATERMELON IN FLORIDA.

J M Crall N C Schenck

Plant Dis Rep 53(1):74-75

Jan 1969 1.9 P69P

Bacterial diseases (plants), Bacterial leaf spot, Fruit rot, Symptomatology, Watermelons.

2131-69

LOCAL REACTION AND CROSS PROTECTION FOR STRAINS OF SQUASH MOSAIC VIRUS.

J W Demski

Phytopathology 59(2):251-252

Feb 1969 464.8 P56

Mosaic, Plant breeding, Plant disease resistance, Plant protection, Squash, Symptomatology, Virus diseases (plants).

2132-69

THE EFFECTS OF IPC, CIPC, SEVIN AND ZECTRAN ON BACILLUS SUBTILIS.

R DeGiovanni-Donnelly S M Kolbye P D Greeves

Experientia 24(1):80-81

15 Jan 1968 475 EX7

Bacillus subtilis, Bacteriology, Carbaryl, Herbicides, Insecticides, Ipc, Mutation, Zectran.

2133-69

ALFALFA MOSAIC VIRUS-INDUCED LESIONS ON BEAN: EFFECT OF LIGHT AND TEMPERATURE.

P R Desjardins

Plant Dis Rep 53(1):30-33 REF

Jan 1969 1.9 P69P

Alfalfa, Beans, Light, Mosaic, Plant physiology, Symptomatology, Temperature, Virus diseases (plants).

2134-69

BACTERIOPHAGE LABELING OF PSEUDOMONAS SYRINGAE.

W M Dowler

Phytopathology 59(2):245-246

Feb 1969 464.8 P56

Bacterial canker, Bacterial diseases (plants), Bacteriophages, Culture media, Labeling, Peaches, Pseudomonas syringae.

2135-69

BACTERIOPHAGE REACTIONS AND PATHOGENIC SPECTRA OF XANTHOMONAS SPECIES TO COTTON.

T A El-Sharkawy

Diss Abstr Sect B 29(7):2256B

Jan 1969 Z5055.U49D53

Bacteriophages, Cotton, Crop varieties, Isolates, Pathogenic bacteria, Pathogenicity, Xanthomonas.

2136-69

CHEMICAL CONTROL OF SCAB ON CITRUS IN FLORIDA.

F E Fisher

Plant Dis Rep 53(1):19-22

Jan 1969 1.9 P69P

Chemical control (plant diseases), Citrus, Ferbam, Fungus diseases (plants), Herbicides, Scab, Spraying, Triphenyltin hydroxide.

2137-69

FREE AMINO ACID CONTENTS IN CORN INFECTED WITH MAIZE DWARF MOSAIC VIRUS AND SUGARCANE MOSAIC VIRUS.

R E Ford J C Tu

Phytopathology 59(2):179-182 REF

Feb 1969 464.8 P56

Amides, Amino acids, Ammonium, Corn, Dwarf mosaic, Mosaic, Sugarcane, Symptomatology, Virology, Virus diseases (plants).

2138-69

ANNOSUS ROOT-ROT IN SLASH PINE PLANTATIONS FOUR YEARS AFTER THINNING AND STUMP TREATMENTS.

J H Ginns C H Driver

Plant Dis Rep 53(1):23-25

Jan 1969 1.9 P69P

Ammonium sulfamate, Chemical control (plant diseases), Creosote, Fomes annosus, Fungus diseases (plants), Pentachlorophenol, Pinus elliottii, Root rot, Thinning (trees), Tributyltin oxide, Urea.

2139-69

HOST RESISTANCE RESPONSES- AN INDUCTION HYPOTHESIS.

L A Hadwiger M E Schwochau

Phytopathology 59(2):223-227 REF

Feb 1969 464.8 P56

Cells, Genes, Microorganisms, Plant disease resistance, Plant diseases, Symbiosis, Symptomatology.

2140-69

THE LONGEVITY OF CONIDIA OF SCLEROTINIA FRUCTICOLA (WINT.) REHM UNDER FIELD CONDITIONS.

P T Jenkins

Austral J Biol Sci 21(5):937-945 REF

Oct 1968 442.8 AU72

Bacillus cereus, Brown rot, Conidia, Environment, Fruit, Fungus diseases (plants), Longevity, Orchards, Plant physiology, Sclerotinia fructicola.

2141-69

GRAIN YIELD OF CORN REDUCED BY MAIZE DWARF MOSAIC VIRUS INFECTION.

L M Josephson J W Hilty J M Arnold H C

Kincer J R Overton

Plant Dis Rep 53(1):61-62

Jan 1969 1.9 P69P

Corn, Crop varieties, Crop yields, Dwarf mosaic, Grain, Plant disease resistance, Plant physiology, Virus diseases (plants).

2142-69

THE COAT PROTEIN GENE OF TOBACCO MOSAIC VIRUS. I. LOCATION OF THE GENE BY MIXED INFECTION.

C I Kado C A Knight

J Molec Biol 36(1):15-23 REF

28 Aug 1968 442.8 J8224

Biological assay, Biological control (plant diseases), Culture media, Electron microscopy, Electrophoresis, Genes, Mosaic, Polyacrylamide, Proteins, Ribonucleic acid, Synthesis, Tobacco, Virus diseases (plants).

2143-69

FRUIT ROT OF PAPAYA (CARICA PAPAYA L.) CAUSED BY MACROPHOMINA PHASEOLI (MAUBL). ASHBY.

S P Kapoor J S Chohan

Prog Farming 5(1):56-57

Mar 1968 S19.P8

Diagnosis, Fruit rot, Fungus diseases (plants), Macrophomina phaseoli, Papayas, Symptomatology.

- 2144-69
BIOCHEMICAL STUDIES ON SCLEROTIUM ROLFII SACC.
F A Keller
Diss Abstr Sect B 29(7):2549B
Jan 1969 Z5055.U49D53
Biochemistry, Chromatography, Fungi, Hydrolysis, Melanins, Polysaccharides, Sclerotium rolfsii.
- 2145-69
VIRULENCE OF VARIOUS GROUPS OF LOOSE SMUT OF BARLEY (USTILAGO NUDA (JENS.) ROSTRI) PHYSIOLOGICAL RACES IN THE LIGHT OF ANATOMICAL INVESTIGATIONS OF BARLEY VARIETIES DIFFERENT WITH REGARD TO RESISTANCE. 2. THE EFFECT OF INFECTION UPON ANATOMICAL FEATURES OF PLANTS. (POL.)
W Kozera
Hodowla Roshn Akhmatyzacja Nasiennictwa 11(3):287-301 REF
1967 64.8 H66
Barley, Crop varieties, Fungus diseases (plants), Loose smut, Plant anatomy, Plant disease resistance, Ustilago nuda. English and Russian summaries. Anatomy a selection aid in breeding resistant varieties.
- 2146-69
INFLUENCE OF SOIL WATER AND TEMPERATURE ON THE PEA ROOT ROT COMPLEX CAUSED BY PYTHIUM ULTIMUM AND FUSARIUM SOLANI F. SP. PISI.
J M Kraft D D Roberts
Phytopathology 59(2):149-152 REF
Feb 1969 464.8 P56
Fungus diseases (plants), Fusarium solani, Peas, Pythium ultimum, Root rot, Soil moisture, Soil temperature.
- 2147-69
BIOCHEMICAL CONTROL OF DISEASE RESISTANCE IN PLANTS.
J Kuc
Plant Protect Abs 4:204-205
Sep 1968 241.75 P69
Biochemistry, Plant disease resistance, Plant physiology. World Review of Pest Control, vol. 7, no. 1, spring 1968, p.42-53.
- 2148-69
SURVIVAL OF FOMES ANNOSUS SPORES IN SOIL.
E G Kuhlman
Phytopathology 59(2):198-201 REF
Feb 1969 464.8 P56
Fomes annosus, Forest soils, Fungus diseases (plants), Plant physiology, Soil hydrogen-ion concentration, Soil series, Spores.
- 2149-69
AN INCIDENCE OF THE EFFECT OF GLYCINE ON THE VIRULENCE OF A STRAIN OF AGROBACTERIUM TUMEFACIENS (SMITH AND TOWN) CONN. (FR.)
A Kurkdjian P Manigault
Phytopathol Z 60(3):291-297 REF
Nov 1967 464.8 P562
Agrobacterium tumefaciens, Bacteria, Bacterial diseases (plants), Datura stramonium, Glycine, Growth, Plant galls, Vancomycin, Virulence. English and German summaries.
- 2150-69
PLOT TECHNIQUES WITH MAIZE DWARF MOSAIC VIRUS: II. GREENHOUSE STUDIES.
D R MacKenzie C C Wernham
Plant Dis Rep 52(1):28-30
Jan 1968 1.9 P69P
Buffer substances, Corn, Dwarf mosaic, Equipment, Greenhouse culture, Plant disease transmission, Seedlings, Virus diseases (plants).
- 2151-69
GENETIC AND CYTOGENETIC STUDIES OF STEM RUST, LEAF RUST, AND POWDERY MILDEW RESISTANCES IN HOPE AND RELATED WHEAT CULTIVARS.
R A McIntosh N H Luig E P Baker
Australian J Biol Sci 20(6):1181-1192 REF
Dec 1967 442.8 AU72
Crop varieties, Cytogenetics, Fungus diseases (plants), Leaf rust, Plant disease resistance, Plant genetics, Powdery mildew, Stem rust, Wheat.
- 2152-69
FUNGAL DISEASES OF BANANAS IN HAWAII.
D S Meredith
Plant Dis Rep 53(1):63-66 REF
Jan 1969 1.9 P69P
Bananas, Epidemiology, Fungus diseases (plants), Symptomatology.
- 2153-69
CELL INCLUSIONS OF HOLMES' RIBGRASS VIRUS, AN ANALOG OF TOBACCO MOSAIC VIRUS. (GE.)
D Milicic
Naturwissenschaften 55(2):90-91
Feb 1968 474 N213
Analog, Plantago, Serological tests, Tobacco, Virus diseases (plants).
- 2154-69
STEM PITTING IN PRUNUS SPP. OTHER THAN PEACH.
S M Mircetich H W Fogle
Plant Dis Rep 53(1):7-11
Jan 1969 1.9 P69P
Epidemiology, Prunus, Stem pitting, Symptomatology, Virus diseases (plants).
- 2155-69
AN APPROACH TO THE STUDY OF THE POPULATION DYNAMICS OF APHANOMYCES EUTEICHES IN SOIL.
J E Mitchell H S Balla G Yang
Phytopathology 59(2):206-212
Feb 1969 464.8 P56
Aphanomyces euteiches, Fungus diseases (plants), Peas, Population, Quantitative analysis, Root rot, Seedlings, Soil fungi, Vermiculite.
- 2156-69
32P AND 35S TRANSFER FROM SUSCEPTIBLE WHEAT TO ERYSIPIHE GRAMINIS F. SP. TRITICI DURING PRIMARY INFECTION.
M S Mount A H Ellingboe
Phytopathology 59(2):235
Feb 1969 464.8 P56
Biological transport, Erysiphe graminis tritici, Fungus diseases (plants), Phosphorus isotopes, Plant disease transmission, Wheat.
- 2157-69
NODULATION OF MEDICAGO SATIVA IN SOLUTION CULTURE. III. EFFECTS OF NITRATE ON ROOT HAIRS AND INFECTION.
D N Munns
Plant Soil 29(1):33-47 REF
Aug 1968 450 P696
Alfalfa, Culture media, Nitrates, Nodules (plants), Plant diseases, Plant protection, Root hairs.
- 2158-69
GENE DOSAGE EFFECTS ON MONOGENIC CHLOROTIC LESION RESISTANCE TO NORTHERN CORN LEAF BLIGHT.
T Namm
Diss Abstr Sect B 29(7):2305B
Jan 1969 Z5055.U49D53
Alleles, Chlorosis, Corn, Dosage, Fungus diseases (plants), Genes, Helminthosporium turcicum, Lesions, Plant disease resistance, Plant genetics, Seedlings.
- 2159-69
EPIDEMIOLOGY OF CUCUMBER MOSAIC AND OTHER VIRUS DISEASES OF LETTUCE IN ARIZONA.
M R Nelson R T McKittrick
Plant Dis Rep 53(1):27-29 REF
Jan 1969 1.9 P69P
Cucumbers, Epidemiology, Lettuce, Mosaic, Virus diseases (plants).
- 2160-69
THE IDENTIFICATION OF GENES FOR PATHOGENICITY IN COCHLIOBOLUS CARBONUM.
R R Nelson D M Kline
Phytopathology 59(2):164-167
Feb 1969 464.8 P56
Cochliobolus carbonum, Fungus diseases (plants), Genes, Grasses, Identification, Plant genetics.
- 2161-69
EFFECTS OF TEMPERATURE ON EXPRESSION AND TRANSMISSION OF STUBBORN DISEASE OF CITRUS.
E O Olson B Rogers
Plant Dis Rep 53(1):45-49 REF
Jan 1969 1.9 P69P
Citrus, Mottle, Plant disease transmission, Symptomatology, Temperature, Virus diseases (plants).
- 2162-69
HERITABILITY OF SEEDING DISEASE CHARACTERISTICS IN FLAX.
A O Omran R A Frederiksen I M Atkins
Crop Sci 8(6,NOV-DEC):750-753 REF
1968 64.8 C883
Flax, Fungus diseases (plants), Plant breeding, Plant disease resistance, Plant genetics, Rhizoctonia solani, Seedlings.
- 2163-69
EAR REMOVAL AND CELL DEATH RATE IN CORN STALK TISSUE.
A J Pappelis R A Katsanos
Phytopathology 59(2):129-131 REF
Feb 1969 464.8 P56
Cells, Corn, Corn ear, Diplodia zeae, Fungus diseases (plants), Gibberella zeae, Mortality, Pruning, Roots, Tissues.
- 2164-69
DUTCH ELM DISEASE FOUND IN IDAHO.
A D Partridge
Plant Dis Rep 52(1):46
Jan 1968 1.9 P69P
Ceratocystis ulmi, Diagnosis, Dieback, Epidemiology, Fungus diseases (plants), Ulmus americana.
- 2165-69
EFFECT OF DIMETHYL SULFOXIDE ON TOBACCO MOSAIC.
T S Pine
Plant Dis Rep 52(1):61-63
Jan 1968 1.9 P69P
Biochemistry, Chemical control (plant diseases), Dimethyl sulfoxide, Metabolism, Mosaic, Spraying, Tobacco, Virology, Virus diseases (plants).
- 2166-69
ONTOGENY OF VESSELS INFLUENCE THE DEVELOPMENT OF VERTICILLIUM IN YOUNG COTTON PLANTS.
J T Presley E E Taylor
Phytopathology 59(2):253-254
Feb 1969 464.8 P56
Conidia, Cotton, Fungus diseases (plants), Morphology, Ontogeny, Seedlings, Verticillium albo-atrum, Wilt, Xylem.
- 2167-69
CHEMICAL AND BIOLOGICAL PROPERTIES OF PHYTOTOXIC GLYCOPEPTIDES ISOLATED FROM CORYNEBACTERIUM MICHIGANENSE.
P V Rai
Diss Abstr Sect B 29(7):2257B-2258B
Jan 1969 Z5055.U49D53
Autoradiography, Bacterial diseases (plants), Biochemistry, Chromatography, Corynebacterium michiganense, Electron microscopy, Glycopeptides, Phytotoxicity, Symptomatology.
- 2168-69
INVESTIGATIONS CONCERNING RINGSPOT VIRUS DISEASE OF THE CHERRY. III. SEROLOGICAL INVESTIGATIONS. (GE.)
J Richter H Kegl

- Phytopathol Z* 60(3):262-272 REF
Nov 1967 464.8 P562
Cherries, Plums, Prune dwarf, Ring spot, Serological tests, Virus diseases (plants). English summary
- 2169-69**
A LABORATORY ASSAY FOR DETERMINING PATHOGENICITY OF PHYTOPHTHORA SPP. TO TOMATO.
G I Robertson
New Zeal J Agr Res 11(1):211-214
Feb 1968 23 N4892
Biological assay, Fungus diseases (plants), Methodology, Pathogenicity, Phytophthora, Tomatoes.
- 2170-69**
CYTOGENETIC STUDIES ON THE RESISTANCE OF HORDEUM SATIVUM JESS. MUTANTS, VALTICKY VARIETY, TO SOME FUNGUS DISEASES. (POL
M Rozmus
Hadawia Raslin Aklimatyzacja Nasiennictwo 11(3):357-364 REF
1967 64.8 H66
Barley, Crop varieties, Cytogenetics, Fungus diseases (plants), Plant disease resistance, Plant genetics, Plant mutation. English and Russian summaries.
- 2171-69**
DISTRIBUTION OF CUCURBIT VIRUSES IN KANSAS.
E A Salama W H Sill
Plant Dis Rep 52(1):11-14 REF
Jan 1968 1.9 P69P
Cucumbers, Epidemiology, Mosaic, Ring spot, Squash, Tobacco, Virus diseases (plants), Watermelons.
- 2172-69**
CUCURBIT VIRUS STUDIES IN HAWAII.
S Shanmugasundaram M Ishii J C Gilbert H Nagai
Plant Dis Rep 53(1):70-74 REF
Jan 1969 1.9 P69P
Crop varieties, Cucumbers, Cucurbita, Epidemiology, Momordica charantia, Mosaic, Plant disease resistance, Symptomatology, Virus diseases (plants).
- 2173-69**
PROPERTIES OF A VIRUS CAUSING POKEWEE MOSAIC.
R J Shepherd J P Fulton R J Wakeman
Phytopathology 59(2):219-222 REF
Feb 1969 464.8 P56
Aphididae, Insect vectors, Mosaic, Phytolacca americana, Plant disease transmission, Virology, Virus diseases (plants).
- 2174-69**
RESISTANCE MECHANISMS AGAINST ONION PINK ROOT (PYRENOCHAETA TERRESTRIS), BIOASSAY OF INOCULUM POTENTIAL IN SOIL AND CHEMICAL CONTROL.
S R Siemer
Diss Abstr Sect B 29(7):2258B
Jan 1969 Z5055.U49D53
Allium fistulosum, Biological assay, Chlorinated hydrocarbons, Chromatography, Crop varieties, Fumigation, Fungus diseases (plants), Onions, Phenolases, Plant disease resistance, Plant extracts, Plant growth inhibitors, Pyrenochaeta terrestris, Soil treatment, Thiocarhamates.
- 2175-69**
ELECTRON MICROSCOPIC OBSERVATIONS ON THE CAUSAL AGENT OF THE BRAZILIAN TOMATO RING SPOT DISEASE.
K Silberschmidt D R Weigl T A Salomao
Phytopathol Z 60(3):278-290 REF
Nov 1967 464.8 P562
Electron microscopy, Impatiens parviflora, Nicotiana glutinosa, Rattle disease, Ring spot, Tobacco, Tomatoes, Virology, Virus diseases (plants). German summary.
- 2176-69**
ADDITIONAL SOURCES OF TOLERANCE TO OAT CROWN RUST.
M D Simons
Plant Dis Rep 52(1):59-61
Jan 1968 1.9 P69P
Crop varieties, Crop yields, Crown rust, Fungus diseases (plants), Oats, Plant disease resistance, Plant hardiness, Puccinia coronata.
- 2177-69**
SOME COMPARISONS OF CHLOROSIS-INDUCING PSEUDOMONAD TOXINS.
S L Sindén R D Durbin
Phytopathology 59(2):249-250 REF
Feb 1969 464.8 P56
Bacterial diseases (plants), Chlorosis, Halo blight, Heat, Ornithine, Pseudomonads, Pseudomonas coronafaciens, Pseudomonas glyceina, Pseudomonas phaseolicola, Pseudomonas tabaci, Symptomatology, Toxins.
- 2178-69**
PYRIMIDINE HYDRATES AND DIMERS IN ULTRAVIOLET-IRRADIATED TOBACCO MOSAIC VIRUS RIBONUCLEIC ACID.
G D Small M Tao M P Gordon
J Molec Biol 38(1):75-87 REF
28 Nov 1968 442.8 J8224
Chromatography, Hydrates, Hydrolysis, Irradiation, Mosaic, Photochemistry, Pyrimidines, Ribonucleic acid, Tobacco, Ultraviolet rays, Virus diseases (plants).
- 2179-69**
THE EFFECT OF APHID NUMBERS AND STAGE OF PLANT GROWTH IN DETERMINING TOLERANCE TO BARLEY YELLOW DWARF VIRUS IN CEREALS.
H C Smith
New Zeal J Agr Res 10(3-4,AUG-NOV):445-466 REF
Nov 1967 23 N4892
Aging, Aphididae, Grain, Insect infestation, Insect vectors, Plant breeding, Plant disease resistance, Virus diseases (plants), Yellow dwarf.
- 2180-69**
MORPHOLOGY, PATHOGENICITY, AND CULTURAL CHARACTERISTICS OF SINGLE CONIDIUM ISOLATES OF ALTERNARIA LONGIPES.
E K Sobers B Doupnik
Phytopathology 59(2):202-205
Feb 1969 464.8 P56
Alternaria longipes, Brown spot, Conidia, Culture media, Fungus diseases (plants), Plant morphology, Plant physiology, Tobacco.
- 2181-69**
PHYTOPHTHORA CROWN AND ROOT ROT OF HOPS IN CALIFORNIA.
R M Sonoda J M Ogawa
Plant Dis Rep 52(1):76-78
Jan 1968 1.9 P69P
Crown rot, Epidemiology, Fungus diseases (plants), Fusarium, Hops, Phytophthora, Pythium, Root rot.
- 2182-69**
DOWNY MILDEW OF SORGHUM IN GEORGIA.
G Sowell H B Harris
Plant Dis Rep 53(1):4
Jan 1969 1.9 P69P
Crop yields, Downy mildew, Fungus diseases (plants), Sclerospora sorghi, Sorghum, Symptomatology.
- 2183-69**
EPIDEMIOLOGY AND PREVENTION OF BACTERIAL BLIGHT DISEASE OF RICE IN INDIA.
D N Srivastava Y P Rao
Int Rice Comm News Lett 17(1):27-33
Mar 1968 59.9 IN83N
Bacterial blight, Bacterial diseases (plants), Chemical control (plant diseases), Epidemiology, Irriga-
- tion, Pathology, Plant disease resistance, Plant diseases, Rice, Seed analysis, Spraying, Xanthomonas oryzae.
- 2184-69**
THE EFFECT OF DRAINAGE ON PHYSIOLOGICAL DISORDERS OF RICE GROWN ON THE SUB-COASTAL PLAINS OF THE ADELAIDE RIVER, N.T.
R W Strickland
Australian J Exp Agr Anim Husband 8(31):212-222 REF
Apr 1968 23 AU792
Chlorosis, Clay soils, Drainage, Plant diseases, Plant physiology, Plant water relations, Rice, Root rot.
- 2185-69**
DIFFERENCES IN REACTION TO PUCCINIA STRIFORMIS BETWEEN FIRST AND SECOND LEAVES IN WHEAT CROSSES.
R W Stubbs
Neth J Plant Pathol 74(4):122-123
1968 464.8 T44
Fungus diseases (plants), Leaves, Plant disease resistance, Plant genetics, Puccinia striiformis, Rust, Seedlings, Wheat. Dutch summary.
- 2186-69**
STUDIES ON THE BROWN-EYE-SPOT DISEASE (CERCOSPORA COFFEICOLA BERK. ET CKE.) OF COFFEE (COFFEA ARABICA L.). V. NUTRITIONAL REQUIREMENTS OF THE PATHOGEN.
S Subramanian
Phytopathol Z 60(3):247-258 REF
Nov 1967 464.8 P562
Cercospora coffeicola, Coffea arabica, Fungus diseases (plants), Glucose, Mannitol, Nutrition, Sporulation, German summary. 31 carbon, 24 nitrogen and 8 sulphur sources were tried.
- 2187-69**
COMPARISON OF CHLORO AND THIOCYANATO GROUPS AS FUNGAL TOXIPHORES IN DINITROBENZENES.
L A Summers A L Black
Naturwissenschaften 55(6):299
Jun 1968 474 N213
Aromatic hydrocarbons, Aspergillus, Fungicides, Moniliales, Peronospora tabacina, Spores, Thiocyanates, Venturia inaequalis.
Aromatic hydrocarbons with chloro and thiocyanate groups attached were tested by spore germination as fungicides against several moniales species. The thiocyanate compounds were not phytotoxic.
- 2188-69**
ENZYMIC BROWNING AND FREE TYROSINE IN POTATOES AS AFFECTED BY PENTACHLORONITROBENZENE.
J P Sweeney P A Simandle
J Agr Food Chem 16(1,JAN-FEB):25-27 REF
1968 381 J8223
Brown rot, Chemical control (plant diseases), Enzymes, Fungicides, Fungus diseases (plants), Pentachloronitrobenzene, Plant physiology, Potatoes, Rhizoctonia solani, Streptomyces scabies, Tyrosine.
- 2189-69**
PURIFICATION AND PROPERTIES OF BROAD BEAN WILT VIRUS.
R H Taylor P R Smith C Reinganum A J Gibbs
Australian J Biol Sci 21(5):929-935 REF
Oct 1968 442.8 AU72
Broadbeans, Mosaic, Mottle, Particle size determination, Purification, Red clover, Ribonucleic acid, Serological tests, Squash, Virology, Virus diseases (plants), Wilt.
- 2190-69**
INTERACTION OF MAIZE DWARF MOSAIC VIRUS STRAINS AND SUGARCANE MOSAIC VIRUS H IN CORN.
J C Tu R E Ford
Phytopathology 59(2):173-178

Feb 1969 464.8 P56

Corn, Dwarf mosaic, Mosaic, Plant disease resistance, Sugarcane, Virology, Virus diseases (plants).

2191-69

EVALUATION OF FUNGICIDES FOR USE AGAINST MARASMIUS PALMIVORUS ON OIL PALMS.

P D Turner

Exp Agr 3(2):129-135 REF

Apr 1967 10 EX72

African oilpalm, Fungicides, Fungus diseases (plants), Marasmius palmivorus, Mercury, Organic compounds, Spraying.

2192-69

PLOT TECHNIQUES WITH MAIZE DWARF MOSAIC VIRUS: I. FIELD STUDIES, 1966.

C C Wernham D R MacKenzie

Plant Dis Rep 52(1):24-28

Jan 1968 1.9 P69P

Corn, Dwarf mosaic, Epidemiology, Equipment, Plant breeding, Plant disease resistance, Plant disease transmission, Virus diseases (plants).

2193-69

A NEW SOURCE OF HIGH PROTEIN IN OATS.

D E Western

Northwest Crop Produc Conf Rep 1967

MEETING:51-52

1967 464.9 N813

Food, Oats, Plant biochemistry, Plant disease resistance, Proteins, Rust.

2194-69

CYTOLOGY OF THE SPORANGIUM OF PHYTOPHTHORA CAPSICI.

W T Williams

Diss Abstr Sect B 29(7):2259B

Jan 1969 Z5055.U49D53

Fungi, Phytophthora capsici, Plant cytology, Plant physiology, Ribosomes, Soil extracts, Sporangium.

2195-69

DUTCH ELM DISEASE DETECTED IN MISSISSIPPI.

R D Wolfe C L Hatch

Plant Dis Rep 53(1):3

Jan 1969 1.9 P69P

Ceratocystis ulmi, Dieback, Fungus diseases (plants), Insect vectors, Scolytus multistriatus, Ulmus alata, Ulmus americana.

2196-69

WIND DISPERSAL OF PUCCINIA HORIANA.

R Zandvoort

Neth J Plant Pathol 74(4):124-127

1968 464.8 T44

Chrysanthemum morifolium, Fungi dissemination, Fungus diseases (plants), Puccinia horiana, Rust, Wind. Dutch summary.

2197-69

ON THE INCUBATION PERIOD OF PUCCINIA HORIANA.

R Zandvoort C A M Groenewegen J C Zadoks

Neth J Plant Pathol 74(4):128-131

1968 464.8 T44

Chrysanthemum, Fungus diseases (plants), Puccinia horiana, Temperature, Time. Dutch summary.

2198-69

THE RAPID DEVELOPMENT AND SPREAD OF STRAIN B DOWNY MILDEW OF LIMA BEANS.

W J Zaumeyer R E Wester

Plant Dis Rep 53(1):25-26

Jan 1969 1.9 P69P

Crop varieties, Downy mildew, Fungus diseases (plants), Lima beans, Phytophthora phascoli, Plant morphology, Plant physiology.

2199-69

INFLUENCE OF THE PROLIFERATION VIRUS UPON THE QUALITY AND QUANTITY OF APPLE FRUITS.

B Zawadzka D F Millikan L C Cochran

Plant Dis Rep 53(1):41-43

Jan 1969 1.9 P69P

Apples, Crop varieties, Crop yields, Quantitative analysis, Virus diseases (plants).

ARTHROPODS

2200-69

ANNOTATED LIST OF INSECTS INFESTING BARK AND WOOD OF FRASER FIR.

G D Amman

J Econ Entomol 62(1):249-250

17 Feb 1969 421 J822

Abies fraseri, Adelges piceae, Bark, Insect pests, Tree injuries, Wood.

2201-69

DOMESTIC QUARANTINE NOTICES. CEREAL LEAF BEETLE.

R J Anderson

Fed Regist 34(59,PT 1):5710-5713

27 Mar 1969 L1.451

Agricultural regulation, Cereal leaf beetle, Interstate commerce, Quarantine, Regulations.

2202-69

SCIENTISTS ATTACK CORN BORER.

Anonymous

Michigan Farmer 251(2):33

18 Jan 1969 6 M58

Chemical control (insects), Corn borers, Dimbo, Feed, Plant pest resistance, Spraying.

2203-69

LEAF CHANGES BROUGHT ABOUT BY EMPHASCA FLAVESCENS F. (HOM. TYPHLOCYBIDAE) ON APPLE TREES. (FR)

M Baggiolini

Schweiz Entomol Ges Mitt 40(3/4):257-262

15 Apr 1968 420 SW6

Apples, Empoasca flavescens, Insect pests, Leaves, Typhlocybidae.

2204-69

A MASS SCREENING PROCEDURE FOR ISOLATING ALFALFA SEEDLINGS WITH RESISTANCE TO THE ALFALFA WEEVIL.

D K Barnes B L Norwood C H Hanson R H Ratcliffe

J Econ Entomol 62(1):66-69 REF

17 Feb 1969 421 J822

Alfalfa, Breeding, Hypera postica, Insect pests, Light, Plant pest resistance, Seedlings, Temperature.

2205-69

THE ECOLOGY OF A NATURAL POPULATION OF THE QUEENSLAND FRUIT FLY, DACTYLUS TRYONI. I. THE PARAMETERS OF THE PUPAL AND ADULT POPULATIONS DURING A SINGLE SEASON.

M A Bateman F J Sonleitner

Australian J Zool 15(2):303-335 REF

Mar 1967 410 AU73

Dactylus tryoni, Demography, Insect ecology, Insect populations, Seasonal variation.

2206-69

GREENHOUSE STUDIES OF HOST PLANT SUITABILITY TO GRAMINELLA NIGRIFRONS, A VECTOR OF CORN STUNT VIRUS.

F J Boyd H N Pitre

J Econ Entomol 62(1):126-130 REF

17 Feb 1969 421 J822

Corn, Graminella nigrifrons, Greenhouse culture, Insect biology, Insect vectors, Plant hosts, Stunt, Virus diseases (plants).

2207-69

A LABORATORY COMPARISON OF THE EFFECTS OF SOME INSECTICIDES ON THE ARGENTINE STEM WEEVIL (HYPERODES BONARIENSIS KUSCHEL) (COLEOPTERA: CURCULIONIDAE).

R S Buchanan R A Harrison

New Zeal J Agr Res 10(1):82-86

Feb 1967 23 N4892

Biological assay, Chemical control (insects), Diazinon, Hyperodes bonariensis, Insecticides, Organophosphorus compounds.

Bayer s767 and diazinon were found to be most effective of eleven insecticides tested on the Argentine stem weevil, Hyperodes bonariensis, in a laboratory assay.

2208-69

A BOLL WEEVIL OVIPOSITION SUPPRESSION FACTOR IN COTTON.

W T Buford J N Jenkins F G Maxwell

Crop Sci 8(6,NOV-DEC):647-649 REF

1968 64.8 C883

Anthonomus grandis, Crop varieties, Insect breeding, Laboratory animals, Oviposition, Plant genetics, Plant pest resistance, Upland cotton.

2209-69

EFFECT OF TEMPERATURE, LIGHT, AND DATE OF COLLECTION ON THE FEEDING RATE OF THE SWEETCLOVER WEEVIL.

C O Calkins

J Econ Entomol 62(1):169-171

17 Feb 1969 421 J822

Biological control (insects), Experimental insects, Feeding, Insect behavior, Insect collection, Light, Plant pest resistance, Sitona cylindricollis, Sweetclover, Temperature.

2210-69

RECORD OF ACANTHOLYDA CIRCUMCINCTA (HYMENOPTERA: PAMPHILIIDAE) IN FLORIDA.

C W Chellman

Fla Entomol 52(1):51

Mar 1969 420 F662

Acantholyda circumcincta, Pamphiliidae, Pinus clausa, Zoogeography.

2211-69

CHEMICAL CONTROL OF MANGO HOPPERS (IDIOCERUS SPP.).

S K Chikkerur

Plant Protect Bull 19(3):39-41

1967 421 P69

Chemical control (insects), DDT, Dosage, Endrin, Idiocerus, Insect pests, Mangos, Spraying, Sulfur.

2212-69

AN OAK LEAF TIER, CROESIA SEMIPURPURANA (KFT.) (LEPIDOPTERA: TORTRICIDAE) IN THE REGION OF QUEBEC. (FR)

P Cochaux

Entomol Soc Quebec Ann 13(2):98-107 REF

May 1968 420 EN822

Croesia semipurpurana, Forest insects, Insect biology, Insect eggs, Insect morphology, Insect temperature, Larvae, Parasitism, Quercus rubra, Tortricidae, English summary.

2213-69

CONSIDERATION OF THE PROBLEMS RAISED BY THE RECENT CECIDOMYIID ATTACK ON CORN FLOWERS. (FR)

R Coutin

Paris Acad Agr France Compt Rend Hebd Seances

54(9):725-729 REF

17 Jun 1968 14 P215BC

Cecidomyiidae, Chemical control (insects), Corn, Crop yields, Cultural control (insects), Diapause, Larvae, Weather, Zoogeography.

2214-69

TRANSMISSION OF MAIZE DWARF MOSAIC BY THE GREENBUG, SCHIZAPHIS GRAMINUM.

N E Daniels R W Toler

Plant Dis Rep 53(1):59-61

Jan 1969 1.9 P69P

Aphididae, Corn, Dwarf mosaic, Insect vectors, Plant disease transmission, Schizaphis graminum, Sorghum, Sugarcane, Virus diseases (plants).

2215-69

RHYACIA AUGUR F. AND OTHER CLIMBING CUTWORMS (LEPIDOPTERA).

S Ekholm

Notulae Entomol 47(2):54-56 MAP

2216-69

1967 421 N84

Fruit, Insect biology, Larvae, Noctuidae, Rhyaci augur, Zoogeography.

The biology of Rhyaci augur and other climbing cutworms in Finland is discussed in relation to the damage produced on pome fruits and other plant species. A map showing the Finnish localities where the noctuid larvae have been reported as pests on fruit trees is included.

2216-69

FEEDING STIMULANTS FROM PLANTS FOR LARVAE OF THE TOBACCO BUDWORM AND BOLLWORM.

A A Guerra T N Shaver

J Econ Entomol 62(1):98-100

17 Feb 1969 421 J822

Corn, Cottonseed, Food, Heliothis virescens, Heliothis zea, Insect behavior, Insect nutrition, Larvae, Plant extracts, Stimulants.

2217-69

MALE BOLL WEEVILS ARE MORE ATTRACTIVE THAN COTTON PLANTS TO BOLL WEEVILS.

D D Hardee W H Cross E B Mitchell

J Econ Entomol 62(1):165-169 REF

17 Feb 1969 421 J822

Anthonomus grandis, Attractants, Baits, Biological control (insects), Cotton, Insect pests, Insect traps, Pheromones.

2218-69

EFFECT OF ATTACK BY COSTELYTRA ZEALANDICA (WHITE) LARVAE ON RYEGRASS VARIETIES.

J M Kelsey

New Zeal J Agr Res 10(1):172-175

Feb 1967 23 N4892

Costelytra zealandica, Demography, Insect infestation, Larvae, Lolium.

2219-69

STUDIES OF THE ECOLOGY OF THE CABBAGE APHID (BREVICORYNE BRASSICAE (L.)) ON BRASSICA FIELD CROPS IN CANTERBURY, NEW ZEALAND. II. POPULATION STUDY, 1959-60.

K P Lamb A D Lowe

New Zeal J Agr Res 10(1):87-108

Feb 1967 23 N4892

Brassica, Brevicoryne brassicae, Demography, Insect ecology, Surveys.

2220-69

A NEW BIOTYPE OF CABBAGE APHID (BREVICORYNE BRASSICAE (L.)) ON APHID RESISTANT RAPE (BRASSICA NAPUS L.).

J Lammerink

New Zeal J Agr Res 11(2):341-344

May 1968 23 N4892

Brevicoryne brassicae, Insect identification, Insect infestation, Plant injuries, Plant pest resistance, Rape.

2221-69

APHIDS AND LEAFHOPPERS FOUND ON RED CLOVER IN EASTERN WASHINGTON.

B J Landis G T Hagel

J Econ Entomol 62(1):273

17 Feb 1969 421 J822

Aphididae, Cicadellidae, Insect pests, Red clover, Zoogeography. 12 species of pests of red clover are listed.

2222-69

INTERACTION OF A FUNGUS GNAT, BRADYSIA SP. (SCIARIDAE) WITH FUSARIUM SPP. ON ALFALFA AND RED CLOVER.

K T Leath R C Newton

Phytopathology 59(2):257-258

Feb 1969 464.8 P56

Alfalfa, Bradysia, Fungus diseases (plants), Fusarium, Greenhouse culture, Insect pests, Insect vectors, Plant disease transmission, Red clover, Sciariidae.

2223-69

HYMENOPTERA AND NEMATODES AS PARASITES OF TACHYPORUS SPECIES (COL.; STAPHYLINIDAE) WITH SPECIAL CONSIDERATION OF CENTISTES LUCIDATOR (NEES) (HYM.; BRACONIDAE). (GE)

E Lipkow

Pedobiologia 8(4):409-415

1968 56.8 P343

Braconidae, Development, Host relationships, Insect morphology, Parasitic insects, Parasitic nematodes, Parasitism, Staphylinidae.

2224-69

PREFERENCE OF GREEN PEACH APHIDS FOR VIRUS-INFECTED SUGARBEET LEAVES.

W Macias G I Mink

J Econ Entomol 62(1):28-29

17 Feb 1969 421 J822

Attractants, Feeding, Insect behavior, Leaves, Mosaic, Myzus persicae, Sugar beets, Virus diseases (plants), Yellows.

2225-69

THE FEEDING BEHAVIOR AND BIOLOGY OF PARAPRONEMATUS ACACIAE (ACARINA: TYDEIDAE).

C W McCoy A G Selhime R F Kanavel

Fla Entomol 52(1):13-19 REF

Mar 1969 420 F662

Biological control (insects), Citrus, Food habits, Fungi, Insect biology, Phyllocoptruta oleivora, Predaceous insects.

2226-69

DISTRIBUTION OF HIBERNATING LARVAE OF THE WESTERN BUDWORM, CHORISTONEURA OCCIDENTALIS, ON DOUGLAS-FIR IN COLORADO.

M E McKnight

J Econ Entomol 62(1):139-142

17 Feb 1969 421 J822

Choristoneura occidentalis, Hibernation, Insect behavior, Insect pests, Larvae, Pseudotsuga menziesii, Zoogeography.

2227-69

END OF SQUARING AS AN ECONOMIC INDICATOR OF APPROXIMATE TIME TO END INSECTICIDAL TREATMENTS FOR BOLL WEEVIL CONTROL.

W J Mistris B M Covington

J Econ Entomol 62(1):35-36

17 Feb 1969 421 J822

Anthonomus grandis, Chemical control (insects), Cotton, Economics, Insect pests, Insecticide application, Insecticides, Population, Time.

2228-69

DAMAGE BY THE STRAWBERRY SPIDER MITE TO COTTON WHEN INFESTATIONS COMMENCED AT THE BEGINNING, MIDDLE, AND END OF THE FLOWERING PERIOD.

W J Mistris

J Econ Entomol 62(1):192-195

17 Feb 1969 421 J822

Cotton, Insect behavior, Insect outbreaks, Insect pests, Mites, Temperature, Tetranychus atlanticus, Time.

2229-69

INSECTICIDAL CONTROL OF THE SUGARCANE BORER IN CORN.

A A Negm S D Hensley E J Concienne

J Econ Entomol 62(1):245-246

17 Feb 1969 421 J822

Chemical control (insects), Corn, Diatraea saccharalis, Insect pests, Insecticides.

2230-69

FUMIGATION OF FOOD GRAINS IN INDIA WITH HYDROGEN PHOSPHIDE. I. TESTS IN CONCRETE BINS.

L Rai J N Sarid S V Pingale

Bull Grain Technol 1(1/4,MAR-DEC):3-15 REF

1963 TS2120.B8

Dosage, Feed grains, Food storage, Fumigation, Insect pests, Oryzaephilus surinamensis, Phosphine, Rhizopertha dominica, Sitophilus oryzae, Toxicity, Tribolium castaneum, Wheat.

2231-69

INUNDATIVE RELEASES OF CHRYSOPA CARNEA FOR CONTROL OF HELIOTHIS ON COTTON.

R L Ridgway S L Jones

J Econ Entomol 62(1):177-180 REF

17 Feb 1969 421 J822

Biological control (insects), Chrysopa carnea, Cotton, Heliothis virescens, Heliothis zea, Insect cages, Insect eggs, Insect pests.

2232-69

A TECHNIQUE FOR EVALUATING VARIETAL RESISTANCE OF CASTOR TO CASTOR JASID (EMPOASCA FLAVESCENS FABRICIUS).

M L Saini K S Chhabra

Prag Farming 5(1):72-74

Mar 1968 S19.P8

Castorbeans, Crop varieties, Empoasca flavescens, Insect pests, Leaves, Plant pest resistance, Population.

2233-69

BIOCHEMICAL ANALYSIS OF APHID SALIVA AND ITS IMPORTANCE IN GALL DEVELOPMENT. (GE)

G Schaler

Zool Jahrbucher Abt Allg Zool Physiol Tiere

74(1):54-87 REF

1968 410 Z751Z

Aphididae, Biochemistry, Development, Host relationships, Plant galls, Saliva, Salivary glands (insects).

2234-69

AERIAL APPLICATIONS OF PIB-7 AND MALATHION TO SUPPRESS POPULATIONS OF ANASTREPHA SUSPENSUS.

A G Selhime R A Sutton

Fla Entomol 52(1):41-43

Mar 1969 420 F662

Aerial insect control, Anastrepha suspensa, Chemical control (insects), Insecticide application, Malathion, Protein hydrolysates.

2235-69

APHID POPULATIONS IN RELATION TO TRISTEZA IN FLORIDA CITRUS.

W A Simanton L C Knorr

Fla Entomol 52(1):21-27

Mar 1969 420 F662

Aphididae, Citrus, Insect vectors, Plant disease transmission, Population, Surveys, Tristeza, Virus diseases (plants).

2236-69

WHOLE TOWN TREATMENT FOR FRUIT FLY CONTROL.

A H Skepper R Sweedman

Agr Gaz New S Wales 79(12):705-709

Dec 1968 23 N472

Attractants, Chemical control (insects), Fly traps, Hygiene, Insect control, Protein hydrolysates, Tephritidae.

The methods of controlling fruit flies in towns in New South Wales are discussed. Eight to ten sprays a year with maldecon and protein hydrolysates together with general fruit tree hygiene by the towns people and Dept. of Agriculture completely rid towns of fruit flies for a year.

2237-69

METHOD OF CONTROLLING AND ERADICATING MITES. PATENT 3,427,385.

Y Uebayashi R Sakimoto K Ishii M Asada T Taniguchi

Us Patent Office Offic Gaz 859(2):607

11 Feb 1969 156.65 OF2

Chemical control (insects), Insecticide application, Mites, Patents, Plants.

2238-69

THE EFFECT OF SOME PESTICIDES ON THE SOIL INVERTEBRATE FAUNA IN THE SOUTH TAIGA ZONE IN THE PERM REGION (USSR).

L D Voronova

Pedobiologia 8(4):507-525 REF

1968 56.8 P343

Carbaryl, Chemical control (insects), Malathion, Organophosphorus compounds, Soil fauna.

NEMATODES

2239-69

SYSTEMIC PESTICIDES FOR CONTROL OF STING AND STUBBY-ROOT NEMATODES ON VEGETABLES.

B B Brodic

Plant Dis Rep 52(1):19-23 REF

Jan 1968 1.9 P69P

Belonolaimus longicaudatus, Carbamates, Chemical control (nematodes), Crop yields, Organophosphates, Pesticides, Plant nematodes, *Trichodorus christiei*, Vegetables, *Xiphinema americanum*.

2240-69

THE INFLUENCE OF A SMALL APPLICATION OF MANURE NEAR THE SEEDS ON THE PLANT'S RESISTANCE TO INFECTION BY NEMATODES. (FR)

J Denarie

Paris Acad Agr France Compt Rend Hebd Seances 54(9):651-658

19 Jun 1968 14 P215BC

Ammonium sulfate, Chemical control (nematodes), Fertilizers, Kidney beans, Meloidogyne, Peas, Plant nematode resistance, Potassium sulfate.

2241-69

AN ECOLOGICAL STUDY OF SOME SOIL NEMATODES ASSOCIATED WITH APPLE TREES IN A NEW ZEALAND GRASSED ORCHARD.

O A Egunjobi

New Zeal J Agr Res 11(2):386-406 REF

May 1968 23 N4892

Apples, Ecology, Nematodes, Seasonal variation, Soil moisture, Soil sampling (nematodes).

2242-69

DETERMINATION OF THE WATER CONTENT OF NEMATODE WORMS BY INTERFERENCE MICROSCOPY.

C Ellenby

Experientia 24(1):84-85 REF

15 Jan 1968 475 EX7

Animal physiology, *Heterodera rostochiensis*, Microscopy, Nematodes, Water.

2243-69

SURVIVAL OF SOYBEAN CYST NEMATODES IN SEED BAGS.

J M Epps

Plant Dis Rep 52(1):45

Jan 1968 1.9 P69P

Bags, *Heterodera glycines*, Larvae, Plant nematodes, Planting, Seeds, Soybeans, Storage.

2244-69

POPULATION DYNAMICS AND PATHOGENICITY OF THREE SPECIES OF PRATYLENCHUS ON PEACH.

P Fliegel

Phytopathology 59(2):120-124 REF

Feb 1969 464.8 P56

Climate, Demography, Nematode populations, Peaches, Plant injuries, Plant nematodes, *Pratylenchus brachyurus*, *Pratylenchus vulnus*, *Pratylenchus zeae*.

2245-69

SAPROZOIC NEMATODES TRANSMIT STREPTOMYCES PHAGE.

H J Jensen C M Gilmour

Plant Dis Rep 52(1):3-4

Jan 1968 1.9 P69P

Bacteriophages, Chlorine, Feed, Nematode vectors, Plant nematodes, Soil sterilization, *Streptomyces griseus*.

2246-69

CITRUS-ROOT NEMATODE IN IRAN.

Z A Katcho J M Allow

Plant Dis Rep 53(1):84

Jan 1969 1.9 P69P

Citrus, Deficiency diseases, Plant injuries, Plant nematodes, Plant nutrition, Roots, Symptomatology, *Tylenchulus semipenetrans*.

2247-69

SPECIES DOMINANCE IN CO-INCIDENT INFECTIONS BY MELOIDOGYNE HAPLA AND M. JAVANICA ON TOMATO.

R A Kinloch

Diss Abstr Sect B 29(7):2256B

Jan 1969 Z5055.U49D53

Animal ecology, Animal physiology, Meloidogyne hapla, Meloidogyne javanica, Plant galls, Plant nematodes, Roots, Sex ratios, Temperature, Tomatoes.

2248-69

MUTUAL ANTAGONISM BETWEEN HETERODERA TABACUM AND SOME OTHER PARASITIC NEMATODES.

P M Miller S E Wihrcim

Plant Dis Rep 52(1):57-58

Jan 1968 1.9 P69P

Heterodera tabacum, Parasitism, Plant nematodes, *Pratylenchus penetrans*, Tobacco, *Tylenchorhynchus claytoni*.

2249-69

POTATO TUBER EELWORM.

Great Brit Min Agr Fish Food Adv Leaflet 372:1-3

1968 10 G79LA

Biology, Crops, *Ditylenchus destructor*, Plant diseases, Plant injuries, Plant nematodes, Plant pest control, Storage, Weeds.

2250-69

SOME OBSERVATIONS ON THE BIOLOGICAL CYCLE OF TYLENCHULUS SEMIPENETRANS COBB, 1913 (NEMATODA, TYLENCHULIDAE). (IT)

A M Palmisano

Redia (SER 2)50:35-46 REF

1967 421 R241

Biology, Citrus, Nematode morphology, Nematode population, Plant hosts, Plant nematodes, Temperature, *Tylenchulus semipenetrans*. English summary.

2251-69

HOST SUITABILITY OF A NUMBER OF PLANTS FOR THE NEMATODE TYLENCHORHYNCHUS DUBIUS.

R D Sharma

Neth J Plant Pathol 74(4):97-100

1968 464.8 T44

Crop varieties, Cruciferac, Leguminosae, Plant hosts, Plant nematode resistance, Plant nematodes, *Tylenchorhynchus dubius*. Dutch summary.

2252-69

THE EFFECTS OF HOST NUTRITION AND SOIL FUMIGATION ON THE PENETRATION AND PATHOGENICITY OF MELOIDOGYNE JAVANICA (TREUB, 1885) CHITWOOD, 1949 ON TOMATO.

J T Vazquez

Diss Abstr Sect B 29(3):1054B-1055B

Sep 1968 Z5055.U49D53

Chemical control (nematodes), Ethylene dibromide, Fungicides, Meloidogyne javanica, Nitrogen, Plant diseases, Plant injuries, Plant nematodes, Plant nutrition, Plant physiology, Soil fumigation, Soil treatment, Tomatoes.

2253-69

NEBRASKA ROOT-GALL NEMATODE OF SUGAR BEETS.

J L Wehling E Kerr

Nebr Univ Ext Ec (1847):11P

1968 275.29 N272EX

Chemical control (nematodes), Chemical control (weeds), Crop rotation, *Heterodera schachtii*, Meloidogyne, *Nacobus batatiformis*, Plant galls, Plant nematodes, Plant physiology, Soil fumigation, Soil microorganisms, Sugar beets, Temperature. There is a table of many plant species with their reaction to the nebraska root-gall nematodes.

WEEDS

2254-69

APION SEED WEEVIL INTRODUCED FOR BIOLOGICAL CONTROL OF SCOTCH BROOM.

L A Andres R B Hawkes A Rizza

Calif Agr 21(8):13

Aug 1967 100 C12CAG

Biological control (weeds), *Cytisus scoparius*, Ranges, Seeds, Timber, Weed control.

2255-69

BIOCHEMICAL ASPECTS OF TRIAZINE BASED HERBICIDES. (FR)

E Ebert P W Muller

Experientia 24(1):1-8 REF

15 Jan 1968 475 EX7

Biochemistry, Herbicides, Hill reaction, Plant enzymes, Plant metabolism, Toxicology, Triazine herbicides. English abstract

2256-69

PROGRESS REPORT ON JOHNSONGRASS CONTROL IN ORCHARDS.

C L Elmore A H Lange L L Buschmann R B Jeter J J Smith

Calif Agr 21(5):6-7

May 1967 100 C12CAG

Chemical control (weeds), Dalapon, Herbicides, Orchards, Reports, Sorghum halepense, Weed control.

2257-69

ARCEUTHOBIOUS PUSILLUM ON EASTERN LARCH IN WISCONSIN.

J T Kliejunas

Plant Dis Rep 53(1):76

Jan 1969 1.9 P69P

Arceuthobium pusillum, Environment, *Larix laricina*, Parasitism, *Picea mariana*, Weeds.

2258-69

COMPARISON OF HERBICIDES AND TIMES OF SPRAYING FOR THE CONTROL OF BLACKBERRY (RUBUS FRUTICOSUS).

W T Parsons R L Amor

Australian J Exp Agr Anim Husb 8(31):238-243

Apr 1968 23 AU792

Blackberries, Chemical control (weeds), Herbicides, Spraying, T, 2,4,5-, Weed control.

2259-69

DOMESTIC QUARANTINE NOTICES. WITCHWEED. REGULATED AREAS.

D R Shepherd

Fed Regist 34(28,PT 1):1937-1945

11 Feb 1969 L1.451

Agricultural regulation, Geography, Plant quarantine, Striga, Weed control.

2260-69

CONTROL OF WEEDS IN WHEAT CROP BY 2,4-D.

D D Srivastava

Plant Protect Bull 19(3):42-43

1967 421 P69

Amines, Chemical control (weeds), Crop yields, D, 2,4-, Economics, Grain, Herbicides, Salts, Sodium, Spraying, Wheat.

2261-69

INTERRELATIONSHIPS BETWEEN ROOT-NODULE BACTERIA, PLANT-PARASITIC NEMATODES AND THEIR LEGUMINOUS HOST.

A H Y Taha

Diss Abstr Sect B 29(7):2258B-2259B

Jan 1969 Z5055.U49D53

CROP PROTECTION

2262-69

Heterodera trifolii, Leguminosae, Meloidogyne javanica, Nitrogen-fixing bacteria, Nodules (plants), Plant nematodes, Plant physiology, Rhizobium trifolii, Roots.

2262-69

SELECTIVE HERBICIDES CONTROL WEEDS IN LUCERNE AT COWRA.

N S Tickner

Agr Gaz New S Wales 79(12):718-720

Dec 1968 23 N472

Alfalfa, Capsella bursa-pastoris, Chemical control (weeds), DPA, Herbicides, Hordeum, Paraquat, Weed control.

The chemical control of weeds, barley grass and shepherds purse in lucerne fields with paraquat and 2,2-Dpa is discussed.

OTHER PESTS

2263-69

SOFAR UNNOTICED DAMAGE TO FRUIT TREES, BROUGHT ABOUT BY FIELD MICE. (GE)

K Hofmann

Nachrichtenbl Deut Pflanzenschutzdienstes

19(1):12-13

Jan 1967 442.9 B832

Field mice, Fruit, Plant injuries, Rodents, Tree injuries, Trees.

LIVESTOCK PROTECTION

2264-69

STABILIZATION OF ANIMAL AND POULTRY FEEDS CONTAINING A TETRACYCLINE ANTIBIOTIC. PATENT 3,427,166.

A Abbey R B Fortenbaugh I Klothen

Us Patent Office Offic Gaz 859(2):567

11 Feb 1969 156.65 OF2

Aluminum, Animals, Antibiotics, Feeds, Ions, Patents, Poultry, Tetracycline.

2265-69

COMPOSITION CONTAINING PENICILLIN AND DYE INDICATOR FOR TREATING UDDERS. PATENT 3,427,377.

F Baucr P Klatt K Scilhorn

Us Patent Office Offic Gaz 859(2):606

11 Feb 1969 156.65 OF2

Chemical indicators, Dyes, Milk analysis, Patents, Penicillin, Therapeutics, Udders.

2266-69

THE TRAINED FALCON IN HEALTH AND DISEASE.

J E Cooper

J Small Anim Pract 9(11):559-566

Nov 1968 41.8 J8292

Animal diseases, Falcons, Feeding, Veterinary medicine. French and German summaries.

2267-69

NATURE OF THE WATER-SOLUBLE METABOLITES OF CARBARYL IN BEAN PLANTS AND THEIR FATE IN RATS.

H W Dorrough O G Wiggins

J Econ Entomol 62(1):49-53

17 Feb 1969 421 J822

Beans, Biochemistry, Carbaryl, Laboratory animals, Metabolites, Plant extracts, Rats, Residues, Tissues.

2268-69

FOOD ADDITIVES PERMITTED IN THE FEED AND DRINKING WATER OF ANIMALS OR FOR THE TREATMENT OF FOOD-PRODUCING ANIMALS. ZOALENE, 3-NITRO-4-HYDROXYPHENYLARSONIC ACID.

J K Kirk

Fed Regist 34(25):1771

06 Feb 1969 L1.451

BIBLIOGRAPHY

Chickens, Drugs, Feed, Food additives, Nitro-4-hydroxyphenylarsonic acid, 3-, Water.

2269-69

EFFECTS OF ESTROGENS ON AORTIC CONNECTIVE TISSUE OF TURKEYS.

J M Kling

Diss Abstr Sect B 29(3):1114B

Sep 1968 Z5055.U49D53

Aorta, Biochemistry, Cell wall, Diethylstilbestrol, Estrogens, Histochemistry, Hormones, Turkeys.

2270-69

NOTICE OF OPPORTUNITY FOR HEARING REGARDING MEDICATED ANIMAL FEEDS.

H L Ley

Fed Regist 34(62):6004

02 Apr 1969 L1.451

Animal nutrition, Chlortetracycline, Diethylstilbestrol, Drug therapy, Drugs, Food additives.

2271-69

P.L.A. (PITUITARY LUTEINIZING HORMONE). DRUGS FOR VETERINARY USE - DRUG EFFICACY STUDY IMPLEMENTATION.

H L Jr. Ley

Fed Regist 34(22):1611-1612

01 Feb 1969 L1.451

Drugs, Hormones, Iesh, Livestock, Pituitary gland, Veterinary medicine.

2272-69

VETISTAT. DRUGS FOR VETERINARY USE - DRUG EFFICACY STUDY IMPLEMENTATION.

H L Jr. Ley

Fed Regist 34(22):1613

01 Feb 1969 L1.451

Blood coagulation, Hemorrhage, Malonic acid, Oxalic acid, Veterinary medicine.

DISEASES

2273-69

EFFECT OF ARGININE OR SERINE ON THE NEED FOR GLYCINE BY THE CHICK FED AMINO ACID OR CASEIN DIETS.

S S Akrabawi

Diss Abstr Sect B 29(7):2506B

Jan 1969 Z5055.U49D53

Amino acids, Animal nutrition, Animal physiology, Arginine, Casein, Chicks, Glycine, Proteins, Serine, Serine hydroxymethyltransferase.

2274-69

MECHANISM OF THE RING FORMING IN THE ABR TEST. (POL)

F Anczykowski

Pol Arch Weter 10(4):661-669 REF

1967 41.8 P76

Agglutination, Brucella, Dairy cattle, Livestock diseases, Milk, Ring test. English and Russian summaries.

2275-69

MECHANISM OF THE SEDIMENT FORMING IN THE AGGLUTINATION TEST PERFORMED WITH BRUCELLA ABORTUS SUSPENSION. (POL)

F Anczykowski

Pol Arch Weter 10(4):655-660 REF

1967 41.8 P76

Agglutination test, Brucella abortus, Dairy cattle, Livestock diseases, Sedimentation. English and Russian summaries.

2276-69

THE GROSS AND MICROSCOPIC CHANGES IN SUBLETHAL STAPHYLOCOCCAL ALPHATOXIN PANCREATITIS IN DOGS.

N V M Anderson

Diss Abstr Sect B 29(7):2507B

Jan 1969 Z5055.U49D53

Animal diseases, Dogs, Eosinophils, Lesions, Microscopy, Pancreas, Staphylococcus, Tissue culture, Toxins.

2277-69

MOLDY FEEDS POSE HAZARD.

Anonymous

Michigan Farmer 251(2):16

18 Jan 1969 6 M58

Aflatoxin, Aspergillus fumigatus, Baby pigs, Feed, Livestock diseases, Molds, Sheep.

2278-69

EQUINE PROTOZOAN DIARRHEA (EQUINE INTESTINAL TRICHOMONIASIS) AT TRINIDAD RACETRACKS.

S P Bennett D A Franco

Amer Vet Med Ass J 154(1):58-60

01 Jan 1968 41.8 AM3

Animal diseases, Diarrhea, Disease control, Drug therapy, Epidemiology, Horses, Intestines, Protozoa, Symptomatology, Trichomonas faecalis.

2279-69

STABILITY OF ESCHERICHIA COLI ENDOTOXIN IN THE RAT GASTROINTESTINAL TRACT.

I Berczi

J Pathol Bacteriol 96(2):487-491

Oct 1968 448.8 J82

Animal diseases, Bacteria, Endotoxins, Escherichia coli, Gastrointestinal system, Mouth, Rats, Serological tests.

2280-69

FAILURE OF ORAL ESCHERICHIA COLI ENDOTOXIN TO INDUCE EITHER SPECIFIC TOLERANCE OR TOXIC SYMPTOMS IN RATS.

I Berczi L Bertok K Baintner B Veress

J Pathol Bacteriol 96(2):481-486 REF

Oct 1968 448.8 J82

Animal diseases, Endotoxins, Escherichia coli, Intestines, Irradiation, Lead acetate, Mouth, Rats, X-rays.

2281-69

LEUCOSIS IN SWINE AS A FINDING FROM CARCASS INSPECTION. (GE)

D Beutling

Monatsh Vet 23(3):92-94 REF

01 Feb 1968 41.8 M742

Bacteria, Carcasses, Leukemia, Livestock diseases, Meat inspection, Swine. English and Russian summaries.

2282-69

APPLICATION OF THE KINETIC SERONEUTRALIZATION TEST TO THE RESEARCH OF RINDERPEST NEUTRALIZING ANTIBODIES IN CATTLE SHEEP AND GOAT. (FR)

P Bourdin G Bernard

Rev Elevage Med Vet Pays Trop 20(4):531-536

REF

1967 41.8 R3262

Antibodies, Cattle, Goats, Rinderpest virus, Serological tests, Sheep. English and Spanish summaries.

2283-69

EFFECTS OF WHOLE-BODY IRRADIATION ON BABY PIGS (SUS SCROFA).

M T Case

Diss Abstr Sect B 29(7):2251B

Jan 1969 Z5055.U49D53

Animal histology, Baby pigs, Bone marrow, Cobalt isotopes, Dosage, Gamma rays, Lymphocytes, Lymphopenia, Symptomatology, Tissue culture, X-rays.

2284-69

MYCOBACTERIUM BURULI LESIONS IN THE FRUIT BAT WEB.

J C T Church E R Griffin

J Pathol Bacteriol 96(2):508-512 REF

Oct 1968 448.8 J82

Animal diseases, Bacteria, Fruit bats, Mycobacterium.

- 2285-69
OBSERVATIONS ON THE USE OF ANTRYCIDE PROSALT AND THE RESISTANCE OF CATTLE TO TRYPAOSOMIASIS. (FR)
R Cools
Rev Elevage Med Vet Pays Trop 20(4):579-587
MAP REF
1967 41.8 R3262
Blood tests, Cattle, Coumaphos, Drug therapy, Glossina palpalis, Immunization, Livestock diseases, Quinapyrimine, Trypanosomiasis. English and Spanish summaries.
- 2286-69
CONTAGIOUS BOVINE PLEUROPNEUMONIA, ITS TREATMENT AND CONTROL.
C Das
Indian Farming 18(2):40-41
May 1968 22 IN283
Cattle, Immunization, Infectious diseases, Livestock diseases, Mycoplasma mycoides, Pleuropneumonia, Vaccines.
- 2287-69
ECZEMA AND LIVER DISEASE IN DOGS (HEPATODERMAL SYNDROME). (GE)
H J Ehrlein K Loeffler G Trautwein
Kleintier-Praxis 13(5):123-128 REF
Jul 1968 41.8 K67
Dogs, Eczema, Hyperkeratosis, Liver diseases, Symptomatology.
- 2288-69
TWO CASES OF EPITHELIAL MALIGNANCY IN SALIENTIA.
E Elkan
J Pathol Bacteriol 96(2):496-499
Oct 1968 448.8 J82
Adenocarcinoma, Amphibians, Animal diseases, Epithelial tumors, Frogs.
- 2289-69
MATERIALS ON THE EPIDEMIOLOGY OF TICK-BORNE ENCEPHALITIS IN THE ZONE OF CONSTRUCTION OF SAYANO-SHUSHENSKAYA HYDROPOWER STATION. (RUS)
E I Fastovskaya I N Kulvinova M S Shlyaposhnikov
Med Parazitarn Parazitarn Bolezn 37(3,MAY-JUN):263-270
1968 448.8 M469
Encephalitis, Epidemiology, Insect control, Insect vectors, Ixodes persulcatus, Ixodidae, Serological tests, Serum, Virus diseases (animals). English summary.
- 2290-69
ENTEROTOXAEMIA: DEADLY DISEASE OF SHEEP.
M S Fayaraman
Indian Farming 18(2):37-38
May 1968 22 IN283
Clostridium perfringens, Diagnosis, Enterotoxaemia, Immunization, Infectious diseases, Livestock diseases, Sheep.
- 2291-69
INFRARED SPECTROGRAPHY OF MYXOVIRUSES. (FR)
R Fontanges G Chatot B Chabert A Bonnet M Bornancin
Inst Pasteur Ann 115(1):129-137 REF
Jul 1968 448.3 AN75
Infrared spectra, Myxoviruses, Purification, Spectroscopy. English summary.
- 2292-69
BIOCHEMISTRY OF FRIEND VIRUS-INFECTED CELLS. I. VIRIONSPECIFIC RNA.
C K Franker P A Riebeck
Biochem Biophys Res Commun 33(1):80-87
Oct 1968 442.8 B5236
Chromosomes, Extracts, Leukemia, Mice, Molecules, Purification, Radioactivity, Ribonucleic acid, Sedimentation, Spleen, Sucrose, Virucides, Virus diseases (animals).
- 2293-69
HISTORY AND EPIDEMIOLOGY OF RABIES IN WILDLIFE IN NEW YORK.
M Friend
N Y Fish Game J 15(1):71-97 MAP REF
Jan 1968 410 N48
Epidemiology, History, Livestock diseases, Rabies, Wildlife diseases.
- 2294-69
RESEARCHES CONCERNING THE TOXOPLASMOSIS IDENTIFICATION AND THE TOXOPLASMIC ABORTION IN THE OVIC CATTLE OF BANAT. (RUM)
N Gluhovschi M Elias M Puca-Ciudin P Costin M Naforntita
Bucharest Inst Agrar Timesoara Lucari Stiint 6:311-318
1963 106.4 T48
Abortion, Color, Lesions, Livestock diseases, Sheep, Toxoplasmosis, Zoonoses. English and Russian summary
- 2295-69
LEPTOSPIRIC ABORTION PATHOGENIA IN SOWS. (RUM)
N Gluhovschi V Topciu S Levin M Stan M Naforntita T Nistor
Bucharest Inst Agrar Timesoara Lucari Stiint 6:319-327 REF
1963 106.4 T48
Abortion, Animal breeding, Leptospirosis, Livestock diseases, Swine. English and Russian summary.
- 2296-69
METABOLIC STUDIES WITH O,O-DIETHYL O-(3,5,6-TRICHLORO-2-PYRIDYL) PHOSPHOROTHIOATE (DURBAN) INSECTICIDE IN A LACTATING COW.
W H Gutenmann L E Jr. St. John D J Lisk
J Agr Food Chem 16(1 JAN-FEB):45-47 REF
1968 381 J8223
Animal physiology, Dairy cattle, Diethyl 03,5,6-trichloro-2-pyridyl phosphorothioate, 0,0-, Feces, Insecticides, Metabolism, Metabolites, Milk, Research, Urine.
- 2297-69
MYCOTOXICOSES.
J Harrison
Great Brit NAAS (nat Agr Adv Serv) Quart Rev (78,WINTER):78-85
1967 241 G796
Fungi, Grain, Human diseases, Livestock diseases, Mycotoxicosis, Penicillium, Poisoning.
Toxic substances formed by many fungi found in grain stored for human and livestock consumption, are identified and fungi suspected of forming such toxins are listed.
- 2298-69
ATTENUATED INFECTIOUS CANINE HEPATITIS LIVE VIRUS VACCINE AND METHOD OF PRODUCING SAME. PATENT 3,432,391.
M B Hays
Us Patent Office Offic Gaz 860(2):545
11 Mar 1969 156.65 OF2
Animal diseases, Antibodies, Canine hepatitis vaccines, Hepatitis, Kidneys, Methodology, Patents, Tissue culture, Viral vaccines.
- 2299-69
FATTY TISSUE BIOPSY IN PIGS. (GE)
K Illing
Monatsh Vet 23(3):97-100
01 Feb 1968 41.8 M742
Adipose tissue (animals), Biopsy, Carcasses, Color, Economics, Meat, Smell, Swine. English and Russian summaries.
- 2300-69
CYTOCHEMICAL STUDIES ON THE LESION OF EQUINE INFECTIOUS ANEMIA. VII. ESPECIALLY ON THE ENZYME HISTOCHEMISTRY OF RES (RETICULO-ENDOTHELIAL SYSTEM) IN THE LIVER AND SPLEEN.
O Itikawa H Tamate T Hoshino S Yoneya S Yamamoto K Ishida K Goto T Kikuchi S Kusuhara H Sakuma
Tohoku J Agr Res 18(3):185-197 REF
Oct 1967 22.5 T574
Biochemistry, Blood vessels, Enzymes, Equine infectious anemia, Erythrocytes, Histochemistry, Horses, Liver, Reticuloendotheliosis, Spleen, Virus diseases (animals).
- 2301-69
EXPERIMENTAL PASTEURELLA MULTOCIDA INFECTION IN CHICKENS EXPOSED TO COLD: BIOCHEMICAL AND BACTERIOLOGICAL INVESTIGATIONS. (POL)
T Juszkiewicz
Pol Arch Weter 10(4):615-625 REF
1967 41.8 P76
Bacteriology, Biochemistry, Chickens, Cold, Livestock diseases, Pasteurella multocida, Research. English and Russian summaries.
- 2302-69
STUDY ON THE INCIDENCE AND ETIOLOGY OF MASTITIS IN SOWS.
D S Kalra
Prag Farming 5(1):95-98 REF
Mar 1968 S19.P8
Epidemiology, Etiology, India, Livestock diseases, Mastitis, Milk analysis, Staphylococcus aureus, Streptococcus agalactiae, Swine, Udders.
- 2303-69
SALMONELLA SPECIES. FIRST ISOLATIONS, NAMES AND OCCURRENCE. QR82.S27K4. (GE)
E Kelterborn
535P THE HAGUE, NETHERLANDS, DR. W. JUNK N.V.
1967
Livestock diseases, Nomenclature, Salmonella, Tables (data), Zoogeography. English title and table of contents included. Text is in German only.
- 2304-69
PARTEROL, DRUGS FOR VETERINARY USE; DRUG EFFICACY STUDY IMPLEMENTATION.
J K Kirk
Fed Regist 34(26):1840
07 Feb 1969 L1.451
Dihydroxyacetophenol, Drugs, Livestock diseases, Milk fever, Veterinary medicine.
- 2305-69
PROGESTERONE-ESTRADIOL BENZOATE (HORMONAL IMPLANT). DRUGS FOR VETERINARY USE; DRUG EFFICACY STUDY IMPLEMENTATION.
J K Kirk
Fed Regist 34(36):2517
21 Feb 1969 L1.451
Benzoic acid, Dosage, Drug therapy, Estradiol, Hormones, Implantation, Legislation, Livestock diseases, Progesterone, Veterinary medicine.
- 2306-69
TESTOSTERONE PROPIONATE-ESTRADIOL BENZOATE (HORMONAL IMPLANT). DRUGS FOR VETERINARY USE; DRUG EFFICACY STUDY IMPLEMENTATION.
J K Kirk
Fed Regist 34(36):2517
21 Feb 1969 L1.451
Benzoic acid, Cattle, Dosage, Drug therapy, Estradiol, Hormones, Implantation, Legislation, Livestock diseases, Testosterone, Veterinary medicine.
- 2307-69
THE PATHOGENESIS OF OVINE CONTAGIOUS ECTHYMA.
J P Kluge
Diss Abstr Sect B 29(7):2509B
Jan 1969 Z5055.U49D53
Ecthyma, Electron microscopy, Fluorescence, Hamsters, Histochemistry, Infectious diseases, Lesions, Monkeys, Sheep, Virus diseases (animals).

2308-69

2308-69

STUDIES ON THE TUMOURS OF THE DOMESTIC ANIMALS. I. LYMPHATIC LEUKAEMIA OF THE SWINE. (JA)

K Kobayashi

Tokyo Soc Vet Zootech Sci J (16):1-5 REF

Mar 1967 41.9 T574

Leukemia, Livestock diseases, Lymphatic system, Neoplasms, Research, Swine.

2309-69

STUDIES ON THE TUMOURS OF THE DOMESTIC ANIMALS. II. TUMOURS OF THE SWINE. (JA)

K Kobayashi

Tokyo Soc Vet Zootech Sci J (16):7-13

Mar 1967 41.9 T574

Livestock diseases, Neoplasms, Research, Swine.

2310-69

METABOLISM OF BLOOD PROTEINS IN HENS DURING NATURAL AND ARTIFICIAL MOULTING. (POL)

H Krackowski

Pol Arch Weter 10(4):571-600 REF

1967 41.8 P76

Animal physiology, Blood, Cascin, Chickens, Eggs, Iodine, Keratins, Metabolism, Proteins. English and Russian summaries.

2311-69

INTERRELATIONSHIP OF ANTIBIOTICS AND COCCIDIOSTATS ON THE GROWTH OF WHITE PLYMOUTH ROCK CHICKS.

H Lal O P Verma

Prog Farming 5(1):103-109

Mar 1968 S19.P8

Animal nutrition, Animal physiology, Antibiotics, Bifuran, Biochemistry, Chicks, Chlorotetracycline, Coccidiostats, Feed.

2312-69

EMBRYOLOGIC DEVELOPMENT OF AN ANOMALY OF OCULAR FUNDUS IN THE COLLIE DOG.

W K Latshaw M Wyman W G Venzke

Amer J Vet Res 30(2):211-217 REF

Feb 1969 41.8 AM3A

Abnormalities, Dogs, Embryos, Eyes, Fetus, Hereditary diseases, Lesions.

2313-69

F.S.H.-P. (FOLLICLE STIMULATING HORMONE-PITUITARY). DRUGS FOR VETERINARY USE - DRUG EFFICACY STUDY IMPLEMENTATION ANNOUNCEMENT.

H L Ley

Fed Regist 34(17):1273

25 Jan 1969 L1.451

Dosage, Drugs, Follicle-stimulating hormone, Hormones, Livestock, Pituitary gland, Veterinary medicine.

2314-69

DR. MAYFIELD ML-23. DRUGS FOR VETERINARY USE - DRUG EFFICACY STUDY IMPLEMENTATION.

H L Jr. Ley

Fed Regist 34(22):1610-1611

01 Feb 1969 L1.451

Drugs, Livestock diseases, Veterinary medicine.

2315-69

TYMPANOL. DRUGS FOR VETERINARY USE; DRUG EFFICACY STUDY IMPLEMENTATION.

H L Jr. Ley

Fed Regist 34(24):1739

05 Feb 1969 L1.451

Bloat, Drugs, Polymerization, Ruminants, Silicons, Veterinary medicine.

2316-69

ESTABLISHMENT AND TREATMENT OF CUTANEOUS CANDIDA ALBICANS INFECTION IN THE RABBIT.

G Maestroni R Scomar

Naturwissenschaften 55(2):87-88 REF

Feb 1968 47.4 N213

Candida albicans, Drug therapy, Fungicides, Fungus diseases (animals), Rabbits, Skin.

2317-69

LOSS OF SERUM PROTEINS VIA THE INTESTINAL TRACT IN CALVES WITH INFECTIOUS DIARRHEA.

C L Marsh C A Mebus N R Underdahl

Amer J Vet Res 30(2):163-166 REF

Feb 1969 41.8 AM3A

Cattle, Diarrhea, Electrophoresis, Gastrointestinal system, Immunology, Livestock diseases, Milk, Proteins, Serum, Urine.

2318-69

PRESENCE OF ANTIBODIES AGAINST RINDERPEST IN DROMEDARY IN CHAD. (FR)

Y Maurice A Provost C Borredon

Rev Elevage Med Vet Pays Trop 20(4):537-542

REF

1967 41.8 R3262

Antibodies, Camels, Measles virus, Rinderpest virus, Serological tests. Spanish and English summaries.

2319-69

SEROLOGICAL SURVEY ON THE RICKETTSIOSIS IN DROMEDARY IN CHAD. (FR)

Y Maurice J F Barcs M Baillie

Rev Elevage Med Vet Pays Trop 20(4):543-550

MAP REF

1967 41.8 R3262

Agglutination test, Antibodies, Antigens, Camels, Coxiella burnetii, Rickettsial diseases, Serological tests, Surveys. English and Spanish summary.

2320-69

LYMPHOCYTIC THYROIDITIS IN THE DOG.

L E Mawdesley-Thomas

J Small Anim Pract 9(11):539-550 REF

Nov 1968 41.8 J8292

Animal diseases, Diagnosis, Dogs, Genetics, Lymphatic system, Lymphocytic thyroiditis, Thyroid gland. French and German summaries.

2321-69

IMMUNITY IN EWES RESULTING FROM NATURAL EXPOSURE TO VIBRIO FETUS.

W A McInereshagen F W Frank C V Hulet D A Price

Amer J Vet Res 30(2):203-206

Feb 1969 41.8 AM3A

Abortion, Epizootic diseases, Immunity, Livestock diseases, Pregnancy, Sheep, Vibrio fetus, Vibriosis.

2322-69

AN EXPERIMENTAL STUDY OF THE ALLERGEN-SPECIFIC-ENZYMATIC FACTOR . II. ISOLATION TRIALS OF THE ALLERGEN-SPECIFIC ENZYMATIC FACTOR FROM THE URINE OF RABBITS. (POL)

T Micrzejewski

Pol Arch Weter 10(4):627-653 REF

1967 41.8 P76

Allergens, Animal physiology, Brucella, Enzymes, Rabbits, Research, Urine. English and Russian summaries.

2323-69

THE EFFECTS OF MOLDED ALFALFA HAY FEEDING ON RUMEN ACTIVITY, RUMEN PROTOZOA AND DAIRY STEER PERFORMANCE, AND ANALYSIS OF TOXIC SUBSTANCE(S) ASSOCIATED WITH MOLDING.

G P Mohanty

Diss Abstr Sect B 29(7):2250B

Jan 1969 Z5055.U49D53

Alfalfa, Animal physiology, Beef cattle, Feed toxicity, Hay, Molds, Protozoa, Rumen.

2324-69

GASTROINTESTINAL PROTEIN LOSS IN CATTLE. A CLINICAL AND PATHOPHYSIOLOGICAL STUDY.

K Nielsen

154P REF COPENHAGEN, CARL FR.

MORTENSEN

27 Oct 1966 SF851.N5

Animal nutrition, Cattle, Gastrointestinal system, Livestock diseases, Metabolism, Proteins. Danish summary.

2325-69

SALMONELLA INFECTION IN CALVES AND OTHER ANIMALS. II. COMPARISON OF SELECTIVE MEDIA.

P M Nottingham

New Zeal J Agr Res 10(2):210-214 REF

May 1967 23 N4892

Calves, Culture media, Meat, Methodology, Salmonella.

2326-69

STUDIES ON BOVINE TUBERCULOSIS. EFFECTS OF REPEATED TUBERCULATIONS IN INFECTED CATTLE. (JA)

C Nozaki

Tokyo Soc Vet Zootech Sci J (16):68-80 REF

Mar 1967 41.9 T574

Cattle, Infectious diseases, Livestock diseases, Research, Tuberculosis.

2327-69

KINETICS OF VIRAL DEOXYRIBONUCLEIC ACID, PROTEIN, AND INFECTIOUS PARTICLE PRODUCTION AND ALTERATIONS IN HOST MACROMOLECULAR SYNTHESIS IN EQUINE ABORTION (HERPES) VIRUS-INFECTED CELLS.

D J O'Scallaghan J M Hyde G A Gentry C C Randall

J Virology 2(8):793-804 REF

Aug 1968 QR360.J6

Abortion, Biochemistry, Cells, Cycloheximide, Deoxyribonucleic acid, Electron microscopy, Herpesviruses, Isotopes, Kinetics, Measurement, Metabolism, Proteins, Synthesis, Tables (data), Tissue culture, Virology, Virus diseases (animals).

2328-69

MASTITIS: ITS CAUSES AND CURE.

C C Pandurangrao

Indian Farming 18(4):43-49

Jul 1968 22 IN283

Dairy cattle, Diagnosis, Drug therapy, Livestock diseases, Mammary glands, Mastitis, Milk.

2329-69

CONTROL OF RABIES IN WILDLIFE IN NEW YORK.

E Parks

N Y Fish Game J 15(1):98-111 MAP

Jan 1968 410 N48

Diethylstilbestrol, Disease control, Rabies, Tetracycline, Traps, Wildlife diseases.

The methods used in New York for controlling rabies are all aimed at reducing the populations of the animal species which carry it, most notably, the foxes. Trapping and killing the animals, making baits with tetracycline poisoning, and setting baits with diethylstilbestrol to inhibit reproduction are the specific methods employed.

2330-69

EXPERIMENTS FOR LIQUIDATING ABORTIONS IN EWES ON SHEEP FARMS WITH ABORTIONS. (BU)

D Pishev K Nedyalkov S Georgiev P Semov

Vet Med Nauk 5(6):49-53 REF

1968 41.8 V6468

Abortion, Dosage, Drug therapy, Livestock diseases, Salmonellosis, Sheep, Streptomycin. English and Russian summaries.

2331-69

RESEARCH ON DISEASES OF POULTRY.

B S Pomeroy

Minn Sci 25(1,FALL):13-14

1968 100 M668

Air sacculitis, Blue comb, Economics, Paracolastrum arizonae, Poultry diseases, Research, Salmonella.

2332-69

AFATOXIN METABOLISM BY LIVER MICROSOMAL PREPARATIONS OF TWO DIFFERENT SPECIES.

- R S Portman K M Plowman T C Campbell
Biochem Biophys Res Commun 33(5):711-715
09 Dec 1968 442.8 B5236
Aflatoxin, *Aspergillus flavus*, Biochemistry, Carcinogens, Laboratory animals, Liver, Metabolism, Mice, Microsomes, Toxicology.
- 2333-69**
MYCOPLASMA INFECTION IN A WISCONSIN DAIRY HERD.
V P Rastas S M Johnston
Amer Vet Med Ass J 154(1):61
01 Jan 1969 41.8 AM3
Dairy cattle, Livestock diseases, Mastitis, Milk analysis, Mycoplasma, Symptomatology.
- 2334-69**
RESEARCH ON THE RELATIONSHIP BETWEEN THE TUMOR CAUSING VIRUS OF THE QUAIL AND THE ROUS SARCOMA VIRUS. (FR)
Y de Ratul G H Werner
Inst Pasteur Ann 115(1):122-128
Jul 1968 448.3 AN75
Chicks, Leukosis, Neoplasms, Poultry diseases, Quail, Rous sarcoma, Virus diseases (animals). English summary.
- 2335-69**
PULMONARY DISEASES OF PIG IN MADAGASCAR. (FR)
J J Ribot M Razafindratsita
Rev Elevage Med Vet Pays Trop 20(4):551-556
REF
1967 41.8 R3262
Baby pigs, Diet, *Escherichia coli*, Humidity, *Klebsiella pneumoniae*, Lungs, Parasitism, *Pasteurella multocida*, *Pseudomonas aeruginosa*, Respiratory diseases, Swine. Spanish and English summaries.
- 2336-69**
PATHOLOGIC RESPONSES OF THE MATURE AND DEVELOPING NERVOUS SYSTEM TO BLUETONGUE VIRUS.
W P C Richards
Diss Abstr Sect B 29(3):1074B-1075B
Sep 1968 Z5055.U49D53
Bluetongue, Diagnosis, Fetus, Immunology, Mice, Mortality, Nervous system, Research, Sheep, Virus diseases (animals).
- 2337-69**
A MODIFIED MIXED HEMADSORPTION TEST AND ITS APPLICATION IN THE STUDY OF THE AVIAN LEUKOSIS-SARCOMA VIRUSES.
C R Rossi
Diss Abstr Sect B 29(7):2553B
Jan 1969 Z5055.U49D53
Antigens, Avian leukosis complex viruses, Chick embryos, Hemadsorption tests, Rous sarcoma virus, Virology, Virus diseases (animals).
- 2338-69**
SEROLOGICAL DIFFERENTIATION OF MYCOPLASMA IN SWINE. (GE)
D Schimmel T Hubrig
Monatsh Vet 23(3):89-92
01 Feb 1968 41.8 M742
Agglutination, Livestock diseases, Mycoplasma, Serological tests, Swine. English and Russian summaries.
- 2339-69**
EXPERIENCE OBTAINED FROM THE USE OF FORMOL-ADSORBAT VACCINES AGAINST SALMONELLA CHOLERAE-SUIS IN PIG STOCKS. (GE)
D Schmidt E Wittmann
Monatsh Vet 23(3):86-89 REF
01 Feb 1968 41.8 M742
Adsorption, Formaldehyde, Immunization, Livestock diseases, *Salmonella choleraesuis*, Salmonellosis, Swine, Vaccines. English and Russian summaries.
- 2340-69**
EFFECT OF THIABENDAZOLE ON PITHOMYCES CHARTARUM (BERK. CURT.) M. B. ELLIS.
- D P Sinclair M W Howe
New Zeal J Agr Res 11(1):59-62
Feb 1968 23 N4892
Cattle, Drug therapy, Liver diseases, Mycosis, *Pithomyces chartarum*, Sheep, Thiazolyl-benzimidazole, 2-(4-).
- 2341-69**
THE INFLUENCE OF VARYING DIETARY LEVELS OF MAGNESIUM, CALCIUM AND VITAMIN D ON MAGNESIUM METABOLISM.
K M Six
Diss Abstr Sect B 29(7):250/B
Jan 1969 Z5055.U49D53
Absorption, Animal nutrition, Calcium, Magnesium, Metabolism, Spectroscopy, Vitamin d.
- 2342-69**
HEMANGIOSARCOMA IN A DOG.
L J Slaughter L Herman
Amer Vet Med Ass J 154(1):17-21
01 Jan 1969 41.8 AM3
Animal diseases, Diagnosis, Dogs, Neoplasms, Sarcoma, Symptomatology.
- 2343-69**
COCCIDIOSIS IN WILD RABBITS, ORYCTOLAGUS CUNICULUS (L.), AT FOUR SITES IN DIFFERENT CLIMATIC REGIONS IN EASTERN AUSTRALIA. I. RELATIONSHIP WITH THE AGE OF THE RABBIT.
E Stodart
Australian J Zool 16(1):69-85 REF
Feb 1968 410 AU73
Aging, Coccidiosis, Eimeria, Rabbits.
An inverse correlation seems to exist between age of the rabbits tested and the intensity of Eimeria infections. The climatic habitat also seemed to effect the severity of coccidiosis.
- 2344-69**
CYTOLOGY OF PINK-EYE OF SHEEP, INCLUDING A REFERENCE TO TRACHOMA OF MAN, BY EMPLOYING ACRIDINE ORANGE AND IODINE STAINS, AND ISOLATION OF MYCOPLASMA AGENTS FROM INFECTED SHEEP EYES.
P G Surman
Australian J Biol Sci 21(3):447-467 REF
Jun 1968 442.8 AU72
Conjunctivitis, Cytology, Human diseases, Mycoplasma, Sheep, Trachoma.
- 2345-69**
COENZYME Q10 IN BRUCELLA ABORTUS BANG. (GE)
O W Thiele K Hoffmann
Naturwissenschaften 55(2):86
Feb 1968 474 N213
Biochemistry, *Brucella abortus*, Enzymes, Lipids, Ubiquinones.
The discovery of the coenzyme Q, an ubiquinone in *Brucella abortus* is discussed. The lipid content of *B. abortus* is compared with *Agrobacterium tumefaciens* and *Pseudomonas denitrificans*.
- 2346-69**
A NEPHROTOXIN FROM ASPERGILLUS FUMIGATUS AND ITS POSSIBLE RELATIONSHIP WITH NEW ZEALAND MUCOSAL DISEASE-LIKE SYNDROME IN CATTLE.
R H Thornton G Shirley R M Salisbury
New Zeal J Agr Res 11(1):1-14 REF
Feb 1968 23 N4892
Aspergillus fumigatus, Cattle, Fungi, Fungus diseases (animals), Lesions, Mycelium, Mycotoxins.
- 2347-69**
EPERYTHROOON TUOMII, SP. N. (RICKETTSIALES) THIRD SPECIES OF EPERYTHROOON IN CATTLE IN MALAGASY REPUBLIC. (FR)
G Vilenberg
Rev Elevage Med Vet Pays Trop 20(4):563-569
REF
1967 41.8 R3262
- Eperythrooon tuomii, Eperythrooonosis, Livestock diseases, Rickettsial diseases, Splenectomy. Spanish and English summaries.
- 2348-69**
TRANSMISSION OF EQUINE SARCOID.
J L Voss
Amer J Vet Res 30(2):183-191 REF
Feb 1969 41.8 AM3A
Animal diseases, Animal histology, Disease transmission, Horses, Neoplasms, Sarcoma, Tissues, Transplanting.
- 2349-69**
OCCURRENCE OF A SKIN RESPONSE TO INTRACUTANEOUS INJECTION OF ADRENALINE AS A METHOD TO DETECT THE EFFECTS OF ENDOTOXINES IN PIG ORGANISM. (GE)
W Wachtel L Lyhs
Monatsh Vet 23(3):94-96 REF
01 Feb 1968 41.8 M742
Edema disease, Epinephrine, *Escherichia coli*, Injections, Livestock diseases, Skin, Swine, Toxins. English and Russian summaries.
- 2350-69**
THE PATHOGENESIS OF EXPERIMENTAL DISTEMPER IN MICE.
B C Ward
Diss Abstr Sect B 29(3):1075B-1076B
Sep 1968 Z5055.U49D53
Animal histology, Antibodies, Canine distemper, Encephalitis, Fluorescent antibody technique, Laboratory animals, Mice, Virus diseases (animals).
- 2351-69**
INFECTIOUS PERITONITIS IN CATS.
B C Ward N Pederson
Amer Vet Med Ass J 154(1):26-35
01 Jan 1969 41.8 AM3
Animal diseases, Cats, Epidemiology, Infectious diseases, Peritonitis, Symptomatology.
- 2352-69**
EFFECTS OF DDT ON BRAIN ELECTRICAL ACTIVITY IN AWAKE, UNRESTRAINED RATS
D E Woolley B A Barron
Toxicol Appl Pharmacol 12(3):440-454 REF
May 1968 391.8 T662
Brain, DDT, Dosage, Electrodes, Electrophysiology, Laboratory animals, Rats, Symptomatology.

ARTHROPODS

- 2353-69**
AN ASSOCIATION BETWEEN SERUM AMYLASE PHENOTYPE AND TICK INFESTATION IN CATTLE.
G C Ashton G W Seifert J Francis
Australian J Biol Sci 21(2):303-308
Apr 1968 442.8 AU72
Amylases, Blood tests, *Boophilus microplus*, Cattle, Insect infestation.
- 2354-69**
ERADICATION EFFORTS AGAINST TROPICAL BONT TICK, AMBLYOMMA VARIEGATUM IN THE VIRGIN ISLANDS.
J L Hourrigan R K Strickland O L Kelsey B E Knisely C C Crago
Amer Vet Med Ass J 154(5):540-545
01 Mar 1969 41.8 AM3
Amblyomma variegatum, Carbaryl, Chemical control (insects), Coumaphos, Dipping, Insect vectors, Livestock, Rickettsia, Spraying.
The three-host tick *Amblyomma variegatum* was identified in the Virgin Islands and since it is a vector of the heart water disease agent, *Rickettsia ruminantium*, efforts were made to eradicate it by dipping livestock in coumaphos and spraying localized areas with carbaryl.

2355-69

2355-69

INSECTICIDAL DRUG CONTAINING LINDANE. DRUGS FOR VETERINARY USE; DRUG EFFICACY STUDY IMPLEMENTATION ANNOUNCEMENT.

H L Jr. Ley

Fed Regist 34(25):1783

06 Feb 1969 L1.451

Cochliomyia hominivorax. Dosage, Drugs, Insecticides, Lindane, Livestock, Maggots, Parasitism, Veterinary medicine.

2356-69

ARTHROPOD PARASITES ON THE STARLING, STURNUS VULGARIS L., IN SOUTHWEST VIRGINIA.

W G Mitchell E C Turner

J Econ Entomol 62(1):195-197

17 Feb 1969 421 J822

Arthropoda, Birds, Parasitism.

2357-69

BATS IN CALIFORNIA.

K F Murray

Calif Vector Views 15(10):109-114

Oct 1968 449.8 C12

Animal taxonomy, Animal vectors, Bats, Biology, Pest control, Rabies.

2358-69

CONTROL OF THE NORTHERN FOWL MITE ON LAYING HENS WITH SHELL SD-8447.

C B Nelson E L Bramhall W V Miller H G

Simkover

J Econ Entomol 62(1):47-49

17 Feb 1969 421 J822

Chemical control (insects), Chickens, Chloro-1-(2,4,5-trichlorophenyl) vinyl dimethyl phosphate, 2-, Dusting, Insect pests, Insecticide application, Mites, Ornithonyssus sylviarum, Spraying.

PARASITES

2359-69

A STUDY OF IMMUNOLOGICAL REACTIONS IN BOVINE FASCIOLOIDIASIS (FASCIOLIDES MAGNA).

R R Bell

Diss Abstr Sect B 29(7):2676B

Jan 1969 Z5055.U49D53

Antigens, Calves, Cattle, Fascioloides magna, Immunology, Livestock diseases, Parasites, Serum.

2360-69

CONCERNING THE LARVA MIGRANS VISCERALIS OF ASCARIS LUMBRICOIDES IN THE EXPERIMENTAL HOST (MICE). (GE)

M Buske H Engelbrecht

Z Parasitenk 30(4):337-346 REF

26 Jul 1968 442.8 Z33F

Ascaris lumbricoides, Larvae, Liver, Lungs, Mice, Parasitism. English summary.

2361-69

LIVER-FLUKE IN MADAGASCAR. BIOLOGICAL CYCLE OF FASCIOLA GIGANTICA. (FR)

P Daynes

Rev Elevage Med Vet Pays Trop 20(4):557-562

REF

1967 41.8 R3262

Aquatic animals, Fasciola gigantica, Fascioliasis, Goats, Parasitism, Ruminants, Sheep, Snails, Zebu cattle. Spanish and English summaries.

2362-69

NOTICE OF FILING OF PETITION FOR FOOD ADDITIVES DIETHYLCARBAMAZINE, STYRYLPYRIDINIUM CHLORIDE.

R F Duggan

Fed Regist 34(10):566

15 Jan 1969 L1.451

Ancylostomatidae, Chlorides, Diethylcarbamazine, Dogs, Drug therapy, Food additives, Parasitism.

2363-69

TOXOPLASMA GONDII IN TISSUE CULTURE AND MAINTENANCE AT LOW TEMPERATURES.

P Franchi E E A Hahn

Z Parasitenk 30(4):360-367 REF

26 Jul 1968 442.8 Z33F

Kidneys, Laboratory animals, Monkeys, Parasitism, Rabbits, Swine, Temperature, Tissue culture, Toxoplasma gondii.

2364-69

HYGROMIX (HYGROMYCIN B). DRUGS FOR VETERINARY USE; DRUG EFFICACY STUDY IMPLEMENTATION.

H L Jr. Ley

Fed Regist 34(36):2516-2517

21 Feb 1969 L1.451

Anthelmintics, Ascaridia galli, Ascaris, Dosage, Drug therapy, Heterakis gallinarum, Hygromycin B, Legislation, Livestock, Oesophagostomum, Trichuris, Veterinary medicine.

2365-69

AH-NBC CAPSULES. DRUGS FOR VETERINARY USE; DRUG EFFICACY STUDY IMPLEMENTATION.

H L Jr. Ley

Fed Regist 34(24):1738

05 Feb 1969 L1.451

Ancylostomatidae, Arecoline, Ascaris, Bromides, Chlorides, Dogs, Dosage, Drugs, Parasitism, Taenia, Veterinary medicine.

2366-69

DR. MAYFIELD LARGE ROUNDWORM TABLETS. DRUGS FOR VETERINARY USE; DRUG EFFICACY STUDY IMPLEMENTATION.

H L Jr. Ley

Fed Regist 34(24):1738

05 Feb 1969 L1.451

Ascaris, Drugs, Livestock, Parasitism, Potassium tartrate, Veterinary medicine.

2367-69

DIZAN POWDER AND TABLETS. DRUGS FOR VETERINARY USE; DRUG EFFICACY STUDY IMPLEMENTATION ANNOUNCEMENT.

H L Jr. Ley

Fed Regist 34(25):1783

06 Feb 1969 L1.451

Ancylostomatidae, Ascaris, Dirofilaria immitis, Dithiazanine iodide, Dogs, Dosage, Drugs, Parasitism, Strongyloides, Trichuris, Veterinary medicine.

2368-69

CADMIUM SALTS. DRUGS FOR VETERINARY USE - DRUG EFFICACY STUDY IMPLEMENTATION.

H L Jr. Ley

Fed Regist 34(22):1609

01 Feb 1969 L1.451

Ascaris lumbricoides, Cadmium, Drugs, Parasitism, Salts, Swine, Veterinary medicine.

2369-69

CAPARSOLATE SODIUM. DRUGS FOR VETERINARY USE - DRUG EFFICACY STUDY IMPLEMENTATION.

H L Jr. Ley

Fed Regist 34(22):1610

01 Feb 1969 L1.451

Dirofilaria immitis, Dogs, Drugs, Parasitism, Sodium, Veterinary medicine.

2370-69

D.N.P. DISOPHENOL. DRUGS FOR VETERINARY USE - DRUG EFFICACY STUDY IMPLEMENTATION.

H L Jr. Ley

Fed Regist 34(22):1610

01 Feb 1969 L1.451

Ancylostomatidae, Disophenol, Dogs, Drugs, Parasitism, Veterinary medicine.

2371-69

VERMIPLEX CAPSULES. DRUGS FOR VETERINARY USE - DRUG EFFICACY STUDY IMPLEMENTATION.

H L Jr. Ley

Fed Regist 34(22):1612-1613

01 Feb 1969 L1.451

Ancylostomatidae, Ascaris, Benzene, Cats, Cestoda, Dogs, Parasitism, Veterinary medicine.

2372-69

VERMEX POULTRY TABLETS AND VERMEX POWDER. DRUGS FOR VETERINARY USE - DRUG EFFICACY STUDY IMPLEMENTATION.

H L Jr. Ley

Fed Regist 34(22):1612

01 Feb 1969 L1.451

Anthelmintics, Dichlorophene, Drugs, Parasitism, Phenothiazine, Piperazine, Poultry, Veterinary medicine.

2373-69

PSEUDHOOKWORM INFECTION - TRICHOSTRONGYLIASIS. TREATMENT WITH THIABENDAZOLE. (ABSTRACT).

E K Markell

Excerpta Med Pharm Toxicol 21(12):599

Dec 1968 241.64 EX23

Antibiotics, Nematodes, Parasitism, Thiadiazole, benzimidazole, 2-(4-, Trichostrongylosis. From New England Journal of Medicine. 1968, 278/15 (831-832).

2374-69

THE EFFECT OF TETRAMISOLE ON MUELLERII CAPILLARIS IN GOATS. (SW)

O Nilsson L Sorelius

Nord Veterinaarmed 20(9):495-498

Sep 1968 41.8 N813

Anthelmintics, Autopsies, Goats, Larvae, Muellerii capillaris, Nematodes, Tetramisole. German and English summaries.

2375-69

EXPERIMENTAL INVESTIGATION INTO THE PHYSIOLOGICAL CHANGE IN COLOR OF HIRUDINEA. (GE)

G Reim

Zool Jahrbuchler Abt Allg Zool Physiol Tiere

74(2):198-232 REF

1968 410 Z751Z

Chromatophores, Hirudinea, Physiology, Pigments.

2376-69

SPARGANOSIS IN A CAT.

R E Schmidt J S Reid F M Garner

J Small Anim Pract 9(11):551-553 REF

Nov 1968 41.8 J8292

Cats, Cestoda, Parasitism, Pseudophyllidea, Sparganosis. French and German summaries.

2377-69

THE EFFECT OF DIMETHIALIUM ON EXPERIMENTAL CHICKEN COCCIDIOSIS. (JA)

M Taniguchi K Nomata S Takagi K Ishikawa Y

Kamizato T Kagawa

Tokyo Soc Vet Zootech Sci J (16):55-67 REF

Mar 1967 41.9 T574

Chickens, Coccidiosis, Dimethylalium, Drug therapy, Livestock diseases, Parasitism, Poultry diseases.

2378-69

IMMUNOLOGICAL STUDIES ON EXPERIMENTAL ASCARIASIS.

J F Williams

Diss Abstr Sect B 29(7):2555B

Jan 1969 Z5055.U49D53

Antigens, Ascaris lumbricoides suum, Hemagglutination, Immunology, Laboratory animals, Larvae, Mice, Nematodes, Parasites, Toxascaris leonina, Toxocara canis.

COMMODITY PROTECTION

2379-69

COMPARATIVE REVIEW OF BHC DUST AND MALATHION EMULSION AS AGENTS FOR DISINFESTATION ON THE BASIS OF PAST EXPERIENCE.

A K Bose

Bull Grain Technol 1(1/4,MAR-DEC):24-29

1963 TS2120.B8

Antiseptics, Benzene hexachloride, Chemical control (insects), Dusting, Food storage, Fumigation, Grain, Insect control, Malathion, Mortality, Temperature.

STORAGE DISEASES

2380-69

INFLUENCE OF MOISTURE CONTENT, TEMPERATURE, AND TIME OF STORAGE UPON INVASION OF ROUGH RICE BY STORAGE FUNGI.

C M Christensen

Phytopathology 59(2):145-148

Feb 1969 464.8 P56

Aspergillus candidus, *Aspergillus flavus*, *Aspergillus glaucus*, *Aspergillus oryzae*, Fungus diseases (plants), Humidity, Penicillium, Rice, Storage diseases, Temperature, Time.

2381-69

THE EFFECT OF MOLDS ON THE ENZYMIC ACTIVITY, RESPIRATION AND VIABILITY OF STORED GRAIN. (RUS)

L S Lvova

Priklad Biokhim Mikrobiol Akad Nauk SSSR

4(2,MAR-APR):218-222 REF

1968 385 P93

Aspergillus amstelodami, *Aspergillus repens*, Enzymes, Grain, Microorganisms, Molds, Penicillium, Respiration, Stored products. English summary.

ARTHROPODS

2382-69

CAMPAIGN AGAINST STORED GRAIN PESTS IN VILLAGES OF IADP DISTRICT LUDHIANA.

H N Batra

Plant Protect Bull 19(3):21-25

1967 421 P69

Chemical control (pests), Food moisture, Grain, Insect pests, Malathion, Pest control, Storage injuries.

2383-69

THE TERMITES OF PARIS. (FR)

M De Feytaud

Paris Acad Agr France Compt Rend Hebd Seances

54(10):832-844

03 Jul 1968 14 P215BC

Food habits, Habitats, Insect behavior, Insect geography, Termites.

2384-69

A NEW SIMPLE METHOD FOR PROTECTING RICE AGAINST RICE WEEVIL (*SITOPHILUS ORYZAE*).

A Ehsan

Pakistan J Sci Indus Res 11(2):218

Apr 1968 475 P174

Attractants, Rice, *Sitophilus oryzae*, Storage diseases.

The use of barkayan or eucalyptus tree bark for protection of polished rice from the rice weevil is discussed. It was found that twenty-four hours after inserting a piece of bark in a bag of rice that the weevils would cease feeding in the rice and could be found in the bark. The bark could then be removed, cleaned and reinserted into the bag.

ENVIRONMENTAL CONTAMINATION

2385-69

SIGNS OF WATER POLLUTION IN THE RIVIERE DES PRAIRIES. (FR)

G Vaillancourt

Natur Can 95(4,JUL-AUG):979-1029 MAP REF

Jan 1969 Z5055.U49D53

Hydrogen-ion concentration, Oxygen, Water analysis, Water pollution. English summary.

RESIDUES

2386-69

SEVERAL FACTORS AFFECTING ADSORPTION OF ATRAZINE AND DIPHENAMID BY SOILS.

R A Ashley

Diss Abstr Sect B 29(7):2259B-2260B

Jan 1969 Z5055.U49D53

Atrazine, Chromatography, Diphenamid, Herbicides, Phytotoxicity, Soil adsorption, Soil analysis, Spectroscopy.

2387-69

AIR POLLUTION DAMAGE TO CHRYSANTHEMUM FOLIAGE.

E Brennan I A Leone

Plant Dis Rep 53(1):54-55

Jan 1969 1.9 P69P

Air pollution, Chrysanthemum, Crop varieties, Greenhouse culture, Peroxyacetyl nitrate, Plant injuries, Plant physiology, Residues, Symptomatology.

2388-69

OXIDATIVE METABOLISM OF PHOSPHAMIDON IN RATS AND A GOAT.

G P Clemons R E Menzer

J Agr Food Chem 16(2,MAR-APR):312-318 REF

1968 381 J8223

Animal physiology, Goats, Insecticides, Metabolism, Milk, Oxidation, Pesticide residues, Phosphamidon, Rats, Urine.

2389-69

TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. MISCELLANEOUS AMENDMENTS.

R E Duggan

Fed Regist 33(243):18578

14 Dec 1968 L1.451

Agricultural products, Chemicals, Legislation, Pesticide residues, Tolerances.

2390-69

NOTICE OF FILING OF PETITION REGARDING PESTICIDE CHEMICALS.

R E Duggan

Fed Regist 34(60):5857

28 Mar 1969 L1.451

Agricultural products, Chromatography, Hops, Insecticide residues, Insecticides, Phorate, Tolerances.

2391-69

NOTICE OF FILING OF PETITION REGARDING PESTICIDE CHEMICALS.

R E Duggan

Fed Regist 34(17):1274

25 Jan 1969 L1.451

Agricultural products, Chemicals, Grapes, Herbicides, Hops, Pesticide residues, Root crops, Trifluralin.

2392-69

NOTICE OF FILING OF PETITION REGARDING PESTICIDE CHEMICALS.

R E Duggan

Fed Regist 34(17):1274-1275

25 Jan 1969 L1.451

Aldrin, Cattle, Chemicals, Chromatography, Dieldrin, Goats, Horses, Insecticides, Meat, Pesticide residues, Sheep, Swine.

2393-69

NOTICE OF FILING OF PETITION REGARDING PESTICIDE CHEMICALS.

R E Duggan

Fed Regist 34(17):1274

25 Jan 1969 L1.451

Cattle, Chemicals, Ciodrin, Dimethyl phosphate, Goats, Insecticides, Meat, Milk, Pesticide residues, Sheep, Swine.

2394-69

NOTICE OF WITHDRAWAL OF PETITION REGARDING PESTICIDES.

R E Duggan

Fed Regist 34(24):1739

05 Feb 1969 L1.451

Dalapon, Herbicides, Lemons, Pesticide residues, Salts, Sodium.

2395-69

NOTICE OF FILING OF PETITION REGARDING PESTICIDE CHEMICALS.

R E Duggan

Fed Regist 34(24):1739-1740

05 Feb 1969 L1.451

Chemicals, Corn, Eggs, Herbicides, Livestock, Meat, Pesticide residues, Poultry, Trichlorobenzyl chloride.

2396-69

NOTICE OF FILING OF PETITIONS REGARDING PESTICIDE CHEMICALS AND FOOD ADDITIVES.

R E Duggan

Fed Regist 34(10):566

15 Jan 1969 L1.451

Chemicals, Cottonseed, Food additives, Insecticides, Peanuts, Pesticide residues, Regulation (pesticides), Soybeans.

2397-69

BIOCHEMICAL TRANSFORMATIONS OF PESTICIDES BY SOIL MICRO-ORGANISMS.

W C Evans

Biochem J 109(2):3P

Sep 1968 382 B52

Biochemistry, Chemicals, Pesticide residues, Pesticides, Soil microorganisms. Proceeding from 483rd meeting of Biochemical Society held on June 20-22 at Univ. Coll. of North Wales, Bangor.

2398-69

REMOVAL OF DDT, MALATHION, AND CARBARYL FROM TOMATOES BY COMMERCIAL AND HOME PREPARATIVE METHODS.

R P Farrow F C Lamb R W Cook J R Kimball E R Elkins

J Agr Food Chem 16(1,JAN-FEB):65-71 REF

1968 381 J8223

Carbaryl, DDT, Food processing, Malathion, Methodology, Pesticide residues, Tomatoes.

2399-69

BROMIDE RESIDUES FROM METHYL BROMIDE FUMIGATION OF FOOD COMMODITIES.

M E Getzendaner A E Doty E L McLaughlin D L Lindgren

J Agr Food Chem 16(2,MAR-APR):265-271 REF

1968 381 J8223

Bromides, Fluorescence, Food, Food analysis, Fumigants, Methyl bromide, Pesticide residues.

2400-69

DEGRADATION OF DDT IN ATLANTIC SALMON (*SALMO SALAR*).

G L Greer U Paim

Can Fish Res Board J 25(11):2321-2326 REF

Nov 1968 442.9 C16J

Biochemistry, Chemical reactions, Chromatography, Degradation, Dichloro-2,2-bis(p-chlorophenyl) ethylene, 1,1-, DDT, Insecticides, Metabolites, Residues, Salmon, Toxicology.

2401-69

2401-69

THIN-LAYER CHROMATOGRAPHY OF BROMACIL RESIDUES IN SOILS.

D J Hamilton

J Agr Food Chem 16(1 JAN-FEB):142-143

1968 381 J8223

Bromacil, Chromatography, Irradiation, Pesticide residues, Silver nitrate, Soils, Spraying, Ultraviolet rays.

2402-69

THE EFFECT OF EVEN OR UNEVEN APPLICATIONS OF DDT PRILLS TO PASTURE ON DDT RESIDUES IN STOCK.

D L Harrison V Shanks

New Zeal J Agr Res 10(2):253-260

May 1967 23 N4892

Biochemistry, Biological assay, Cattle, DDT, Insecticide residues, Sheep.

DDT residues were measured in sheep fat and cow milk from animals grazing on evenly and unevenly treated pastures. The results indicated that random grazing occurred on the unevenly treated pastures.

2403-69

RESIDUES IN PASTURE FOLLOWING APPLICATION OF A GRANULAR HEPTACHLOR PREPARATION.

J T Hughes P G Fennimore

New Zeal J Agr Res 10(2):261-271 REF

May 1967 23 N4892

Chemical control (insects), Heptachlor, Pesticide residues.

2404-69

EFFECTS OF ISOBENZAN ON SOIL FAUNA AND SOIL STRUCTURE.

J M Kelsey E Z Arlidge

New Zeal J Agr Res 11(2):245-260 REF

May 1968 23 N4892

Isobenzan, Pesticide residues, Soil contamination, Soil fauna, Soil structure, Soil-plant-animal relations.

Isobenzan was found to have a residue still evident four years after its application which drastically reduced the soil fauna, except nematodes, retarded plant growth, and reduced the soil's ability to absorb and retain moisture.

2405-69

SUCCINIC ACID 2,2-DIMETHYLHYDRAZIDE. NOTICE OF EXTENSION OF TEMPORARY TOLERANCE.

J K Kirk

Fed Regist 34(59, PT 1):5753

27 Mar 1969 L1.451

Agricultural legislation, Growth factors, Peanuts, Plant regulators, Residues, Succinic acid, 2,2-dimethylhydrazide, Tolerances.

2406-69

TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. COORDINATION PRODUCT OF ZINC ION AND MANEB.

J K Kirk

Fed Regist 34(57):5601

25 Mar 1969 L1.451

Agricultural products, Fungicides, Ions, Maneb, Pesticide residues, Pesticides, Tolerances, Zinc.

2407-69

FOOD ADDITIVES PERMITTED IN FOOD FOR HUMAN CONSUMPTION. TYLOSIN.

J K Kirk

Fed Regist 34(61):5929-5930

29 Mar 1969 L1.451

Animal diseases, Food additives, Food consumption, Mycoplasma gallisepticum, Residues, Respiratory diseases, Tylosin.

2408-69

TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. ENDOSULFAN.

J K Kirk

Fed Regist 34(36):2501

21 Feb 1969 L1.451

Agricultural products, Endosulfan, Food analysis, Legislation, Pesticide residues, Public health, Tolerances.

2409-69

FOOD ADDITIVES PERMITTED IN FEED AND DRINKING WATER OF ANIMALS OR FOR THE TREATMENT OF FOOD-PRODUCING ANIMALS. THIABENDAZOLE.

J K Kirk

Fed Regist 34(29, PT 1):2021

12 Feb 1969 L1.451

Chemicals, Citrus, Fungicides, Fungus diseases (plants), Pesticide residues, Thiazolyl-benzimidazole, 2-(4-.

2410-69

NOTICE OF FILING OF PETITION REGARDING PESTICIDE CHEMICALS.

J K Kirk

Fed Regist 34(36):2518-2519

21 Feb 1969 L1.451

Agricultural products, Boron, Cottonseed, Defoliant, Herbicides, Legislation, Pesticide residues, Sodium borate, Tolerances.

2411-69

NOTICE OF FILING OF PETITION REGARDING PESTICIDE CHEMICALS.

J K Kirk

Fed Regist 34(36):2518

21 Feb 1969 L1.451

Agricultural products, Chemical control (weeds), Dichlorophenyl p-nitrophenyl ether, 2,4-, Herbicides, Legislation, Pesticide residues, Vegetables.

2412-69

NOTICE OF FILING OF PETITION REGARDING PESTICIDE CHEMICALS.

J K Kirk

Fed Regist 34(36):2518

21 Feb 1969 L1.451

Agricultural products, Allethrin, Chemical control (insects), Fruit, Insecticides, Legislation, Pesticide residues, Tolerances.

2413-69

NOTICE OF FILING OF PETITION REGARDING PESTICIDE CHEMICALS.

J K Kirk

Fed Regist 34(36):2518

21 Feb 1969 L1.451

Chemical control (weeds), Cottonseed, Herbicides, Legislation, Pesticide residues.

2414-69

NOTICE OF FILING OF PETITION REGARDING PESTICIDE CHEMICALS.

J K Kirk

Fed Regist 34(36):2518

21 Feb 1969 L1.451

Fats, Goats, Insecticides, Legislation, Metabolites, Pesticide residues, Ronnel, Sheep.

2415-69

TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. DIPHENAMID.

J K Kirk

Fed Regist 34(28, PT 1):1946

11 Feb 1969 L1.451

Chemical control (weeds), Chemicals, Diphenamid, Herbicides, Metabolites, Pesticide residues, Vegetables.

2416-69

TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. O-ETHYL S-PHENYL ETHYLPHOSPHONODITHIOATE.

J K Kirk

Fed Regist 34(22):1589

01 Feb 1969 L1.451

Agricultural products, Chemicals, Ethyl S-phenyl ethylphosphonodithioate, O-, Insecticides, Pesticide residues, Regulation (pesticides), Tolerances, Vegetables.

2417-69

TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. THIRAM.

J K Kirk

Fed Regist 34(19):1379

29 Jan 1969 L1.451

Agricultural products, Bananas, Chemicals, Pesticide residues, Thiram.

2418-69

BEHAVIOR OF DDT IN POTATOES DURING COMMERCIAL AND HOME PREPARATION.

F C Lamb R P Farrow E R Elkins R W Cook J R Kimball

J Agr Food Chem 16(2, MAR-APR):272-275 REF

1968 381 J8223

Dichloro-2,2-bis(p-chlorophenyl) ethylene, 1,1-, DDT, Food processing, Insecticides, Pesticide residues, Potatoes.

2419-69

USE OF CARBON TO REDUCE UPTAKE OF INSECTICIDAL SOIL RESIDUES BY CROP PLANTS. EFFECTS OF CARBON ON INSECTICIDE ADSORPTION AND TOXICITY IN SOILS.

E P Lichtenstein T W Fuhremann K R Schulz

J Agr Food Chem 16(2, MAR-APR):348-355 REF

1968 381 J8223

Absorption, Aldrin, Carbon, Dieldrin, Drosophila melanogaster, Heptachlor, Heptachlor epoxide, Insecticides, Peas, Pesticide residues, Plant physiology, Soil adsorption, Soils.

2420-69

ADSORPTION OF SOME PESTICIDES ON SOILS, CLAY MINERALS AND HUMIC ACID.

G M MacNamara

Diss Abstr Sect B 29(7):2260B-2261B

Jan 1969 Z5055.U49D53

Clay minerals, Clay soils, DDT, Humic acids, Linuron, Malathion, Pesticides, Soil adsorption.

2421-69

MEASUREMENT OF RESIDUES OF PHORATE AND ITS OXYGEN ANALOG SULFONE IN PLANT TISSUES BY TOTAL PHOSPHORUS DETERMINATION.

A J Manuel

J Agr Food Chem 16(1 JAN-FEB):57-59 REF

1968 381 J8223

Benzene, Chromatography, Measurement, Metabolites, Oxygen, Pesticide residues, Phorate, Phosphorus, Plants, Sulfone, Tissues.

2422-69

RESIDUES OF ORGANOCHLORINE INSECTICIDES IN DEAD BIRDS IN THE UNITED KINGDOM.

J Robinson

Chem Indus (47):1974-1986 REF

25 Nov 1967 382 M31C

Birds, Chlorinated hydrocarbons, Chromatography, Insecticides, Pesticide residues, Toxicology.

2423-69

EFFECT OF SOIL SYSTEMIC INSECTICIDES ON FLAVOR AND RESIDUE IN COFFEE.

J G Rodriguez J E Fahey C E Fernandez

J Agr Food Chem 16(2, MAR-APR):276-279

1968 381 J8223

Bidrin, Coffee, Disulfoton, Food flavor, Insecticides, Pesticide residues, Phorate, Phosphorus, Soils.

2424-69

HEPTACHLOR RESIDUES IN SOIL, PASTURE, AND STOCK RESULTING FROM THE TREATMENT OF SOIL OR PASTURE WITH HEPTACHLOR GRANULES.

S R B Solly D L Harrison V Shanks

New Zeal J Agr Res 11(2):371-385 REF

May 1968 23 N4892

Cattle, Heptachlor, Heptachlor epoxide, Insecticide residues, Pasture management, Sheep, Soil insecticides.

2425-69

IMPROVED METHOD FOR DETERMINATION OF SULFONAMIDES IN MILK AND TISSUES.

F Tishler J L Sutter J N Bathish H E Hagman

J Agr Food Chem 16(1,JAN-FEB):50-53

1968 381 J8223

Cattle, Drugs, Milk, Pesticide residues, Poultry, Sulfonamides, Swine, Tissues.

2426-69

PROCEDURE FOR SEMI-QUANTITATIVE CONFIRMATION OF SOME ORGANOPHOSPHORUS PESTICIDE RESIDUES IN PLANT EXTRACTS.

P J Wales C E Mendoza H A McLeod W P

McKinley

Analyst 93(1111):691-693

Oct 1968 382 AN1

Azinphosmethyl, Carbophenothion, Chromatography, Diazinon, Disulfoton, Malathion, Mevinphos, Organophosphorus compounds, Parathion, Pesticide residues, Plant extracts, Potatoes.

TOXICOLOGY

2427-69

EFFECT OF DDT OR PARATHION ON CONDITION AVOIDANCE RESPONSE OF OFFSPRING FROM DDT OR PARATHION TREATED MOTHERS. (ABSTRACT).

G M Al-Hachim G B Fink

Excerpta Med Pharm Toxicol 21(12):600

Dec 1968 241.64 EX23

Animal adaptation, Breeding, DDT, Mice, Parathion, Reproduction, Toxicology. From *Psychopharmacologia* (Berl.), 1968, 12/5, (424-427).

2428-69

THE EARLY EFFECTS OF LOW DDT DOSES ON THE NERVOUS SYSTEM IN ANIMAL EXPERIMENTS.

I Desi I Farkas T Kemeny

Experientia 24(1):51-52 REF

15 Jan 1968 475 EX7

Animal physiology, Biochemistry, Central nervous system, Chlorinated hydrocarbons, DDT, Insecticide residues, Rats, Toxicology.

2429-69

RELEASE OF AN ACETYLCHOLINE-LIKE SUBSTANCE FROM GUINEA PIG ILEUM BY SCORPION VENOM.

C R Diniz J M Torres

Toxicon 5(4):277-281 REF

May 1968 391.8 T66

Acetylcholine, Guinea pigs, Intestines, Muscles, Scorpionida, Tityus bahiensis, Tityus serrulatus, Venoms.

2430-69

THE EFFECT OF DDT IN THE DIET ON THE RESTING AND LOADING ELECTROCORTICOTRANSGRAM RECORD.

I Farkas I Desi T Kemeny

Toxicol Appl Pharmacol 12(3):518-525 REF

May 1968 391.8 T662

Aldosterone, Diet, DDT, Dosage, Drug therapy, Electrodes, Electrophysiology, Laboratory animals, Rats, Toxicology.

2431-69

TOXICITY OF FENTIN HYDROXIDE TO RATS.

T B Gaines R D Kimbrough

Toxicol Appl Pharmacol 12(3):397-403 REF

May 1968 391.8 T662

Animal physiology, Diet, Dosage, Food consumption, Laboratory animals, Rats, Toxicology, Triphenyltin hydroxide.

2432-69

CHOLINESTERASE INHIBITION IN THE ACUTE TOXICITY OF ALKYL-SUBSTITUTED 2-AMINOETHANOLS.

R Hartung H H Cornish

Toxicol Appl Pharmacol 12(3):486-494 REF

May 1968 391.8 T662

Brain, Cholinesterases, Culture media, Dosage, Emulsifying agents, Inhibitors, Rats, Toxicology.

2433-69

EFFECT OF THE VENOM OF THE SCORPION TITYUS SERRULATUS ON ADRENAL GLAND CATECHOLAMINES.

M C Henriques G Gazzinelli C R Diniz M V

Gomez

Toxicon 5(3):175-179 REF

Feb 1968 391.8 T66

Adrenal glands, Amines, Catechol, Glands (insects), Physiology, Scorpionida, Tityus serrulatus, Venoms.

2434-69

EFFECT OF THE VENOM OF THE BEE APIS MELLIFERA ON OSMOTIC FRAGILITY OF CATTLE RBC.

I Hort A Herz

Toxicon 5(3):181-186

Feb 1968 391.8 T66

Apis mellifera, Bee venom, Blood cells, Cattle, Erythrocytes, Osmosis, Physiology.

2435-69

COLLAGENOLYTIC ACTIVITY OF SNAKE AND SPIDER VENOMS.

E Kaiser W Raab

Toxicon 4(4):251-255 REF

Feb 1967 391.8 T66

Casein, Collagen, Enzymes, Snake venom, Snakes, Spider venom, Spiders.

2436-69

INCOMPLETE SODIUM INACTIVATION IN NODES OF RANVIER TREATED WITH SCORPION VENOM.

E Koppenhofer H Schmidt

Experientia 24(1):41-42 REF

15 Jan 1968 475 EX7

Animal physiology, Biochemistry, Scorpionida, Toxicology, Venoms.

2437-69

ANTIGEN CONVERSION IN SALMONELLA. XI. CONVERSION IN THE N(O:30) GROUP. (FR)

L Le Minor

Inst Pasteur Ann 115(1):62-67 REF

Jul 1968 448.3 AN75

Antigens, Electron microscopy, Immunochemistry, Phagocytes, Salmonella. English summary. many Salmonella strains are used in this project.

2438-69

PHARMACOLOGICAL AND ENZYMIC CONSTITUENTS OF THE VENOM OF AN AUSTRALIAN BULLDOG ANT MYRMECIA PYRIFORMIS.

J C Lewis I S de la Lande

Toxicon 4(4):225-234 REF

Feb 1967 391.8 T66

Enzymes, Histamine, Hyaluronidase, Muscles, Myrmecia pyriformis, Pharmacology, Venoms.

2439-69

A NEW SPECIES OF SALMONELLA OF NIGERIAN ORIGIN, SALMONELLA BIAFRA. (3, 10:Z10:26). (FR)

E van Oye C Du Pre

Inst Pasteur Ann 115(1):77-78

Jul 1968 448.3 AN75

Antigens, Bacteria, Salmonella, Serological tests, Taxonomy. English summary.

2440-69

EFFECT ON HONEY BEES OF DICHLORVOS AND BROMOPHOS APPLIED AS SPRAYS TO WHITE CLOVER (TRIFOLIUM REPENS L.).

T Palmer-Jones P G Clinch

New Zeal J Agr Res 11(1):138-141

Feb 1968 23 N4892

Apis mellifera, Bromophos, Dichlorvos, Spraying, Toxicity, White clover.

2441-69

TRANSMISSIBLE RESISTANCE FACTORS IN ENTEROBACTERIACEAE ISOLATED IN ALGERIA. (FR)

F Papa

Inst Pasteur Ann 115(1):68-76 REF

Jul 1968 448.3 AN75

Bacteria, Enterobacteriaceae, Epidemiology, Escherichia coli, Escherichia freundii, Resistance, Salmonella. English summary.

2442-69

RESEARCH AND TESTING OF PREPARATIONS ON RODENTS IN THE HABITAT OF MAN. (GE)

W Reichmuth

Nachrichtenbl Deut Pflanzenschutzdienstes

19(1):9-12

Jan 1967 442.9 B832

Humans, Legislation, Pesticides, Research, Rodent control, Rodenticides, Rodents, Toxicology.

2443-69

THE EFFECT OF MALEIC HYDRAZIDE ON THE MITOSIS OF PHYTOHAEMAGGLUTININ STIMULATED HUMAN LYMPHOCYTES CULTURED IN VITRO.

J Timson

Caryologia 21(2,APR-JUN):157-159

1968 442.8 C25

Humans, Lymphocytes, Maleic hydrazide, Mitosis, Tissue culture.

PLANT PHYSIOLOGY & BIOCHEMISTRY

2444-69

SURVIVAL OF ROOT-INFECTING FUNGI IN SOIL. X. SENSITIVITY OF PROPAGULES OF THIELAVIOPSIS BASICOLA TO SOIL FUNGISTASIS IN NATURAL AND ALFALFA-AMENDED SOIL.

P B Adams G C Papavizas

Phytopathology 59(2):135-138

Feb 1969 464.8 P56

Alfalfa, Conidia, Culture media, Fungicides, Fungal diseases (plants), Roots, Seed germination, Soil fungi, Thielaviopsis basicola.

2445-69

EFFECTS OF LINDANE AND CARBARYL ON INSECTS, SOIL AND PLANT NITROGEN, AND GRAIN YIELD OF RICE.

S K de Datta R S Ayyangar J T Magbanua

Exp Agr 3(3):239-247

Jun 1967 10 EX72

Carbaryl, Crop yields, Insect control, Irrigation, Lindane, Nitrogen, Plant protection, Rice, Soils, Water.

2446-69

CARBOHYDRATE RESERVES IN MOUNTAIN RANGE PLANTS WITH RESPECT TO PHENOLOGICAL STAGE OF DEVELOPMENT AND ARTIFICIAL DEFOLIATION.

G B Donart

Diss Abstr Sect B 29(7):2249B-2250B

Jan 1969 Z5055.U49D53

Carbohydrates, Climate, Colorimetry, Defoliation, Plant biochemistry, Plant extracts, Plant physiology, Ranges.

2447-69

RESPONSE OF COTTON PLANT TO CERTAIN COMBINATIONS OF FERTILIZERS AND METALISYSTOX.

M El-Kadi M Zaki M Abo-Elghar A Shahaan

An Agr Sci 10(1):47-59 REF

Jun 1965 24 AN72

Biochemistry, Cotton, Fertilizers, Insecticide residues, Insecticides, Nitrogen, Oxydemeton-methyl, Phosphorus, Plant physiology, Potassium. Arabic summary.

2448-69 SELECTIVE ACTION OF CHLOROXURON ON SOYBEAN AND MORNINGGLORY.

R W Feeny
Diss Abstr Sect B 29(7):2261B
Jan 1969 Z5055.U49D53
Chloroxuron, Chromatography, Herbicides, Ipomoea, Phytotoxicity, Plant growth inhibitors, Plant physiology, Soybeans.

2449-69 ON THE SENSITIVENESS OF SEVERAL WOOD-DECAYING FUNGI TO GASEOUS STERILIZATION WITH PROPYLENE OXIDE.

W Liese U Ammer
17P REF
1967 TRANSI.. 17050
Ascomycetes, Basidiomycetes, Culture media, Fiberboard, Propylene oxide, Sterilization, Wood destroying fungi. Translated from *Angew. Bot.* 39(3/4):89-98,1965.

2450-69 GROWTH REGULATOR CONTROL OF FRUIT SET AND DEVELOPMENT IN THE Highbush BLUEBERRY (*VACCINIUM CORYMBOSUM* L.).

C M Mainland
Diss Abstr Sect B 29(7):2255B
Jan 1969 Z5055.U49D53
Biological assay, Blueberries, Chromatography, Foliar application, Fruit setting, Gibberellins, Greenhouse culture, Growth factors, Plant hormones, Plant physiology, Plant regulators.

2451-69 THE EFFECTS OF PLANT AMENDMENTS AND THEIR ASSOCIATED MICROFLORA ON RHIZOCTONIA SOLANI KUEHN.

W J Manning
Diss Abstr Sect B 29(7):2257B
Jan 1969 Z5055.U49D53
Beans, Ceratobasidium, Fusarium oxysporum, Microorganisms, Plant residues, Rhizoctonia solani, Streptomyces.

2452-69 PRELIMINARY STUDY ON THE EFFECT OF GIBBERELIC ACID ON FRUIT SET IN THE CHERIMOYA.

S E Maximos G R Stino
An Agr Sci 10(2):319-323
Dec 1965 24 AN72
Cherimoya, Flowers, Fruit, Gibberellic acid, Plant physiology, Research, Seeds, Spraying.

2453-69 CONSISTENCY OF RST VALUES OF SIX ORGANOPHOSPHORUS PESTICIDES RESOLVED BY THIN-LAYER CHROMATOGRAPHY IN THE PRESENCE OF PLANT EXTRACTS WITHOUT ELABORATE CLEAN-UP.

C E Mendoza P J Wales D F Bray
Analyst 93(1111):688-690
Oct 1968 382 AN1
Azinphosmethyl, Carbofenothion, Chromatography, Diazinon, Ethion, Malathion, Mevinphos, Organophosphorus compounds, Parathion, Pesticides, Plant extracts, Plant translocation, Statistical analysis.

2454-69 CRITICAL STUDY OF A NEW DEVICE FOR GIBBERELLIN DOSAGE BY THE ELONGATION OF THE OAT STEM. (FR.)

B Montuelle D Ochin
Soc Franc Physiol Veg Bull 13(2):141-153
May 1967 451 SO193
Assay, Dosage, Equipment, Gibberellins, Oats, Plant biochemistry, Plant hormones, Plant physiology. English summary.

2455-69 CROP RESPONSE TO APPLIED ZINC IN AMMONIATED PHOSPHATE FERTILIZERS.

J J Mortuedt
J Agr Food Chem 16(2,MAR-APR):241-245 REF
1968 381 J8223
Ammonia, Corn, Ethylenediaminetetraacetic acid, Fertilizers, Oxides, Phosphates, Plant biochemistry, Plant physiology, Sulfates, Zinc.

2456-69 CHARACTERISTICS OF IN VITRO PROTEIN SYNTHESIS SYSTEMS FROM RHIZOCTONIA SOLANI AND SCLEROTIUM BATATICA.

T G Obrig J Cerna D Gottlieb
Phytopathology 59(2):187-192 REF
Feb 1969 464.8 P56
Antibiotics, Fungi, Inhibitors, Mycelium, Plant physiology, Protein synthesis, Rhizoctonia solani, Ribosomes, Sclerotium bataticola.

2457-69 EPOXIDATION OF ALDRIN BY PLANT MATERIALS.

P C Ploffs
Diss Abstr Sect B 29(3):1053B-1054B
Sep 1968 Z5055.U49D53
Aldrin, Biochemistry, Cyclohexene, Enzymes, Insecticides, Microsomes, Oxidation, Plant physiology, Temperature, Tissue culture. Six crops were tested.

2458-69 PLANT TREATMENT IN RELATION TO THE RHIZOSPHERE EFFECT. II. FOLIAR APPLICATIONS OF CERTAIN CHEMICALS AND ANTIBIOTICS IN RELATION TO THE RHIZOSPHERE MICROFLORA OF RICE (*ORYZA SATIVA* L.).

T K R Reddy
Plant Soil 29(1):102-113 REF
Aug 1968 450 P696
Antibiotics, Chemical control (pests), Foliar application, Plant biochemistry, Rhizosphere, Rice, Roots, Substrates.

2459-69 EFFECT OF TRIFLURALIN ON GROWTH OF SCLEROTIUM ROLFII IN LIQUID CULTURE AND SOIL.

R Rodriguez-Kabana E A Curl H H Funderburk
Phytopathology 59(2):228-232 REF
Feb 1969 464.8 P56
Culture media, Herbicides, Mycelium, Plant growth inhibitors, Plant physiology, Sclerotium rolfsii, Soil fungi, Soil hydrogen-ion concentration, Trifluralin.

2460-69 BIOLOGICAL ACTIVITY OF PA-X, A PLANT REGULATOR FROM BEAN SEEDS.

M Sachs
Diss Abstr Sect B 29(7):2320B
Jan 1969 Z5055.U49D53
Beans, Enzymes, Plant physiology, Plant regulators, Seed germination.

CHEMISTRY

2461-69 DEGRADATION OF MONOSODIUM METHANECARSONIC ACID BY SOIL MICROORGANISMS.

D W Von Endt P C Kearney D D Kaufman
J Agr Food Chem 16(1,JAN-FEB):17-20 REF
1968 381 J8223
Biochemistry, Decomposition, Herbicides, Monosodium acid methanecarsonate, Plant physiology, Soil microorganisms, Sorghum halepense.

2462-69 EFFECT OF 2,4-D AND UREA SPRAYS ON YIELD AND FRUIT QUALITY OF BALADY ORANGES.

Z Zidan S Mahmoud I Shawky
An Agr Sci 10(2):297-318 REF
Dec 1965 24 AN72
Crop yields, D, 2,4-, Oranges, Plant biochemistry, Plant physiology, Spraying, Urea.

2463-69 LISTING OF COLOR ADDITIVES FOR FOOD USE EXEMPT FROM CERTIFICATION; LISTING OF COLOR ADDITIVES FOR DRUG USE EXEMPT FROM CERTIFICATION. COCHINEAL EXTRACT.

R E Duggan
Fed Regist 33(243):18577-18578
14 Dec 1968 L1.451
Chemistry, Cochineal, Color, Drugs, Dyes, Extracts, Food additives, Legislation.

2464-69 OMEGA, A USEFUL INDEX OF SOIL SORPTION EQUILIBRIA.

S M Lambert
J Agr Food Chem 16(2,MAR-APR):340-343
1968 381 J8223
Chemicals, Measurement, Pesticide application, Soil adsorption.

2465-69 SIMPLIFIED METHOD OF PREPARING COLUMN MATERIALS FOR GASLIQUID CHROMATOGRAPHIC SEPARATION OF SOME PESTICIDES.

C E Mendoza K A McCully P J Wales
Anal Chem 40(14):2225-2227 REF
Dec 1968 381 J825A
Chemical reactions, Chemistry, Chlorinated hydrocarbons, Chromatography, Methodology, Organophosphorus compounds, Pesticides.

2466-69 ADSORPTION OF 3-AMINOTRIAZOLE BY MONTMORILLONITE.

J D Russell M I Cruz J L White
J Agr Food Chem 16(1,JAN-FEB):21-24 REF
1968 381 J8223
Amitrole, Infrared spectra, Montmorillonite, Pesticides, Soil adsorption.

2467-69 EFFECT OF PENICILLIN ON THE COMPOSITION OF AMINO SUGARS IN ACID-SOLUBLE FRACTION AND MUCOPEPTIDES FROM BACILLUS SUBTILIS. (RUS.)

L I Torbochikina I N Navolnecva
Biokhimiya 32(4):705-710 REF
1967 385 B523
Amino sugars, Bacillus subtilis, Glucosamine, Mucus, Penicillins, Peptides. English summary.

ENGINEERING

2468-69

A PORTABLE INSTRUMENTED TOWER FOR
USE IN METEOROLOGICALLY RELATED
RESEARCH.

C B R Thburn A F Misrocchi

J Econ Entomol 62(1):149-154

17 Feb 1969 421 J822

Equipment, Insect control, Meteorology, Research,
Temperature.

2469-69

AN ACCURATE AND SAFE HAND-OPERATED,
VEHICLE-MOUNTED APPLICATOR FOR
GRANULAR INSECTICIDES IN SEED
ORCHARDS.

H O Yates W G Lewis

J Econ Entomol 62(1):246-248

17 Feb 1969 421 J822

Chemical control (insects), Dosage, Equipment,
Insecticide application, Insecticides, Orchards,
Phorate, Rhyacionia, Seeds.

2470-69

COATED CELERY SEED AIDS MECHANIZA-
TION EFFORTS.

F W Zink

Calif Agr 21(8):4-5

Aug 1967 100 C12CAG

Bentonite, Celery, Mechanization, Seed planting,
Seeds.

SUBJECT INDEX

- ABDOMEN**
Developmental performance of embryonic blastemas of *Drosophila* after culture in the adult host. 1977
- ABIES FRASERI**
Annotated list of insects infesting bark and wood of Fraser fir. 2200
- ABNORMALITIES**
Teratology of the beetle *Tenebrio molitor*. III. Ultrastructural alterations in the flight musculature of the pupal-winged adult. 2090
Embryologic development of an anomaly of ocular fundus in the Collie dog. 2312
- ABORTION**
Researches concerning the toxoplasmosis identification and the toxoplasmic abortion in the ovic cattle of Banat. 2294
Leptospirosis abortion pathogenesis in sows. 2295
Immunity in ewes resulting from natural exposure to *Vibrio fetus*. 2321
Kinetics of viral deoxyribonucleic acid, protein, and infectious particle production and alterations in host macromolecular syntheses in equine abortion (*Herpes*) virus-infected cells. 2327
Experiments for liquidating abortions in ewes on sheep farms with abortions. 2330
- ABSORPTION**
The influence of varying dietary levels of magnesium, calcium and vitamin D on magnesium metabolism. 2341
Use of carbon to reduce uptake of insecticidal soil residues by crop plants. Effects of carbon on insecticide adsorption and toxicity in soils. 2419
- ACANTHOLYDA CIRCUMCINCTA**
Record of *Acantholyda circumcincta* (Hymenoptera: Pamphiliidae) in Florida. 2210
- ACARICIDES**
Inheritance of resistance to organophosphorus acaricides in the cattle tick, *Boophilus microplus*. 2092
- ACARINA**
A remarkable tick found on a tarsier (*Heteroceoptidae* f. n.; *Sarcoptiformes*). 1957
- ACER RUBRUM**
The effect of climatic integrants on population fluctuations of the Columbian timber beetle *Corthylus columbianus* Hopkins (Coleoptera; Scolytidae). 2015
- ACER SACCHARINUM**
The effect of climatic integrants on population fluctuations of the Columbian timber beetle *Corthylus columbianus* Hopkins (Coleoptera; Scolytidae). 2015
- ACETIC ACID**
Scorpion preservation for taxonomic and morphological studies. 2070
- ACETYLCHOLINE**
Release of an acetylcholine-like substance from guinea pig ileum by scorpion venom. 2429
- ACRIDIDAE**
The anatomy and physiology of the morabine grasshoppers. III. Muscles, nerves, tracheae, and genitalia. 1930
A note on the outbreak of the Bombay locust, *Patanga succincta*, *Cyrtacanthacrinae*, *Acrididae*, in the Laccadive Islands during 1967. 1939
- Geographical variation in *Paprides nitidus* (Hutton) (Orthoptera: Acrididae). 2028
Pericentric inversion polymorphism in *Trimerotropis helperi* (Orthoptera: Acrididae) and its effect on chiasma frequency. 2088
- ACRIDOIDEA**
Cytogenetics of the viatica group of morabine grasshoppers. I. The coastal species. 2095
- ACRONYCTA RUMICIS**
On the mechanism involved in perception of light stimuli during the photoperiodic reaction in *Lepidoptera* caterpillars. (TT 61-23975). 1967
- ACRYLAMIDE**
Demonstration of the synthesis of a yolk protein under the influence of the corpora allata in *Leucophaea maderae*. 2046
- ACTINOMYCIN D**
The effect of nucleases and nucleic acid synthesis inhibitors on sigma virus multiplication in *Drosophila melanogaster*. 1979
- ADELGES PICEAE**
Annotated list of insects infesting bark and wood of Fraser fir. 2200
- ADENOCARCINOMA**
Two cases of epithelial malignancy in salientia. 2288
- ADIPOSE TISSUE (ANIMALS)**
Fatty tissue biopsy in pigs. 2299
- ADRENAL GLANDS**
Effect of the venom of the scorpion *Tityus serrulatus* on adrenal gland catecholamines. 2433
- ADSORPTION**
Experience obtained from the use of formol-adsorbat vaccines against *Salmonella cholerae-suis* in pig stocks. 2339
- AEDES AEGYPTI**
An automated repellency-assay system. II. A new electronic bitometer-timer. 1861
Competitive mating tests between normal and aspermic male house flies. 2035
Gross variations in the response to man among yellow-fever mosquito populations in the laboratory. 2098
- AEDES STIMULANS**
Histopathology of the developing reproductive system of *Aedes stimulans* (Walker) (Diptera: Culicidae) under thermal stress. 2026
Organogenesis of the female reproductive system of an aedine mosquito. 2038
- AEDES TAENIORHYNCHUS**
Transmission of a mosquito iridescent virus in *Aedes taeniorhynchus*. I. Laboratory experiments. 2003
Transmission of a mosquito iridescent virus in *Aedes taeniorhynchus*. II. Experiments related to transmission in nature. 2004
- AEGEIIDAE**
The North American Aegeriidae (Lepidoptera): A revision based on late-in tar larvae. 1893
- AELIA ROSTRATA**
Morphology of the head capsule of *Aelia rostrata* Boh. (Hemiptera: Pentatomidae). 2051
- AERIAL INSECT CONTROL**
Aerial applications of PIB-7 and malathion to suppress populations of *Anastrepha suspensa*. 2234
- AERIAL SPRAYING**
Arsenal for disease control. 2115
- AEROCHOREUTES**
Pericentric inversion polymorphism in *Trimerotropis helperi* (Orthoptera: Acrididae) and its effect on chiasma frequency. 2088
- AFLATOXIN**
Moldy feeds pose hazard. 2277
Aflatoxin metabolism by liver microsomal preparations of two different species. 2332
- AFRICAN OILPALM**
Evaluation of fungicides for use against *Marasmius palmivorus* on oil palms. 2191
- AGGLUTINATION**
Mechanism of the ring forming in the ABR test. 2274
Serological differentiation of mycoplasma in swine. 2338
- AGGLUTINATION TEST**
Mechanism of the sediment forming in the agglutination test performed with *Brucella abortus* suspension. 2275
Serological survey on the Rickettsioses in dromedary in Chad. 2319
- AGING**
Influence of aging on the rate of incorporation of tritiated thymidine in the nurse cells of *Drosophila melanogaster*. 2068
The effect of aphid numbers and stage of plant growth in determining tolerance to barley yellow dwarf virus in cereals. 2179
Coccidiosis in wild rabbits, *Oryctolagus cuniculus* (L.), at four sites in different climatic regions in eastern Australia. I. Relationship with the age of the rabbit. 2343
- AGRICULTURAL LEGISLATION**
Succinic acid 2,2-dimethylhydrazide. Notice of extension of temporary tolerance. 2405
- AGRICULTURAL PRODUCTS**
Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Miscellaneous amendments. 2389
Notice of filing of petition regarding pesticide chemicals. 2390
Notice of filing of petition regarding pesticide chemicals. 2391
Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Coordination product of zinc ion and maneb. 2406
Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Endosulfan. 2408
Notice of filing of petition regarding pesticide chemicals. 2410
Notice of filing of petition regarding pesticide chemicals. 2411
Notice of filing of petition regarding pesticide chemicals. 2412
Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. O-ethyl S-phenyl ethylphosphonodithioate. 2416

SUBJECT INDEX

AGRICULTURAL REGULATION

Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Thiram. 2417

AGRICULTURAL REGULATION

Preliminary results of attempts to form the advisory board for integrated plant protection. 2113

Domestic quarantine notices. Cereal leaf beetle. 2201

Domestic quarantine notices. Witchweed. Regulated areas. 2259

AGROBACTERIUM TUMEFACIENS

Crown gall tumors in various species and hybrids of Kalanchoideae. 2122

Kinetin-like substances produced by plant tumors. 2125

An incidence of the effect of glycine on the virulence of a strain of *Agrobacterium tumefaciens* (Smith and Town) Conn. 2149

AGROTIS ORTHOGONIA

Laboratory evaluation of several new insecticides for control of the pale western cutworm. 2012

AIR POLLUTION

Air pollution damage to chrysanthemum foliage. 2387

AIR SACULITIS

Research on diseases of poultry. 2331

ALCOHOLS

Scorpion preservation for taxonomic and morphological studies. 2070

ALDEHYDES

The fine structure of the cuticle. A contribution to the question of the protection against its own poison of the Madeira roach. 1971

ALDOSTERONE

The effect of DDT in the diet on the resting and loading electrocorticogram record. 2430

ALDRIN

Linkage studies of aldrin resistance in *Blattella germanica* (L.). 2011

Notice of filing of petition regarding pesticide chemicals. 2392

Use of carbon to reduce uptake of insecticidal soil residues by crop plants. Effects of carbon on insecticide adsorption and toxicity in soils. 2419

Epoxidation of aldrin by plant materials. 2457

ALFALFA

On the soil fauna of meadow and alfalfa stocked fields of different locations with special consideration of the Oribatids. 2045

Developing alfalfa resistant to alfalfa weevil oviposition. 2101

Alfalfa mosaic virus-induced lesions on bean: Effect of light and temperature. 2133

Nodulation of *Medicago sativa* in solution culture. III. Effects of nitrate on root hairs and infection. 2157

A mass screening procedure for isolating alfalfa seedlings with resistance to the alfalfa weevil. 2204

Interaction of a fungus gnat, *Bradysia* sp. (Sciaridae) with *Fusarium* spp. on alfalfa and red clover 2222

Selective herbicides control weeds in lucerne at Cowra. 2262

The effects of moldy alfalfa hay feeding on rumen activity, rumen protozoa and dairy steer performance, and analysis of toxic substance(s) associated with molding. 2323

Survival of root-infecting fungi in soil. X. Sensitivity of propagules of *Thielaviopsis basicola* to soil fungistasis in natural and alfalfa-amended soil. 2444

ALLELES

Brain cholinesterase activity and its inheritance in cattle tick (*Boophilus microplus*) strains resistant and susceptible to organophosphorus acaricides. 2093

Gene dosage effects on monogenic chlorotic lesion resistance to northern corn leaf blight. 2158

ALLERGENS

An experimental study of the allergen-specific enzymatic factor. II. Isolation trials of the allergen-specific enzymatic factor from the urine of rabbits. 2322

ALLELETHRIN

Notice of filing of petition regarding pesticide chemicals. 2412

ALLIUM FISTULOSUM

Resistance mechanisms against onion pink root (*Pyrenochaeta terrestris*), bioassay of inoculum potential in soil and chemical control. 2174

ALPHITOBIOUS DIAPERINUS

On the morphology and the bionomics of the insects of economic importance. II. Head appendages in *Alphitobius diaperinus* (Panz.) (Tenebrionidae, Coleoptera). 2043

Head capsule of *Alphitobius diaperinus* (Panz.) (Tenebrionidae-Coleoptera). 2044

ALTERNARIA LONGIPES

Morphology, pathogenicity, and cultural characteristics of single conidium isolates of *Alternaria longipes*. 2180

ALUMINUM

Stabilization of animal and poultry feeds containing a tetracycline antibiotic. Patent 3,427,166. 2264

ALYDIDAE

A unique female specimen from upper Burma: A new genus and species of *Micrellytrinae* (Hemiptera: Alydidae). 1863

AMBLYOMMA VARIEGATUM

Eradication efforts against tropical bont tick, *Amblyomma variegatum* in the Virgin Islands. 2354

AMIDES

Free amino acid contents in corn infected with maize dwarf mosaic virus and sugarcane mosaic virus. 2137

AMINES

Aliphatic amines against insecticide-susceptible and resistant strains of *Culex pipiens quinquefasciatus* and *Anopheles albimanus*. 1968

Control of weeds in wheat crop by 2,4-D. 2260

Effect of the venom of the scorpion *Tityus serrulatus* on adrenal gland catecholamines. 2433

AMINO ACIDS

Effect of radiofrequency electric field treatment on protein metabolism in yellow mealworm larvae. 1993

Inhibition of growth of *Bacillus thuringiensis* by amino acids in defined media. 2050

Some observations on chemoreception in the antennae of the centipede, *Scolopendra subspinipes* Leach (Mandibulata-Chilopoda). 2062

Free amino acid contents in corn infected with maize dwarf mosaic virus and sugarcane mosaic virus. 2137

Effect of arginine or serine on the need for glycine by the chick fed amino acid or casein diets. 2273

AMINO SUGARS

Effect of penicillin on the composition of amino sugars in acid-soluble fraction and mucopolysaccharides from *Bacillus subtilis*. 2467

AMITROLE

Adsorption of 3-aminotriazole by montmorillonite. 2466

AMMONIA

Inhibition of growth of *Bacillus thuringiensis* by amino acids in defined media. 2050

Crop response to applied zinc in ammoniated phosphate fertilizers. 2455

AMMONIUM

Free amino acid contents in corn infected with maize dwarf mosaic virus and sugarcane mosaic virus. 2137

AMMONIUM SULFAMATE

Annosus root-rot in slash pine plantations four years after thinning and stump treatments. 2138

AMMONIUM SULFATE

The influence of a small application of manure near the seeds on the plant's resistance to infection by nematodes. 2240

AMPHIBIANS

Two cases of epithelial malignancy in salientia. 2288

AMYLASES

An association between serum amylase phenotype and tick infestation in cattle. 2353

ANAL GLAND

The anal glands of *Gryllotalpa gryllotalpa* L. ultrastructure and histochemistry. 1948

ANALOGS

Cell inclusions of Holmes' ribgrass virus, an analog of tobacco mosaic virus. 2153

ANASTREPHA LUDENS

Trapping for control of the Mexican fruit fly in mango and citrus groves. 1924

ANASTREPHA SUSPENSUS

Aerial applications of PIB-7 and malathion to suppress populations of *Anastrepha suspensa*. 2234

ANCYLOSTOMATIDAE

Notice of filing of petition for food additives diethylcarbamazine, styrylpyridinium chloride. 2362

AH-NBC capsules. Drugs for veterinary use; drug efficacy study implementation. 2365

Dizan powder and tablets. Drugs for veterinary use; drug efficacy study implementation announcement. 2367

D.N.P. disphenol. Drugs for veterinary use - drug efficacy study implementation. 2370

Vermiplex capsules. Drugs for veterinary use - drug efficacy study implementation. 2371

ANIMAL ADAPTATION

Effect of DDT or parathion on condition avoidance response of offspring from DDT or parathion treated mothers. (abstract).

2427

ANIMAL BREEDING

Leptospirosis abortion pathogenesis in sows.

2295

ANIMAL DISEASES

The trained falcon in health and disease.

2266

The gross and microscopic changes in sublethal staphylococcal alpha-toxin pancreatitis in dogs.

2276

Equine protozoan diarrhea (equine intestinal Trichomoniasis) at Trinidad racetracks.

2278

Stability of *Escherichia coli* endotoxin in the rat gastrointestinal tract.

2279

Failure of oral *Escherichia coli* endotoxin to induce either specific tolerance or toxic symptoms in rats.

2280

Mycobacterium buruli lesions in the fruit bat web.

2284

Two cases of epithelial malignancy in salientia.

2288

Attenuated infectious canine hepatitis live virus vaccine and method of producing same. Patent 3,432,391.

2298

Lymphocytic thyroiditis in the dog.

2320

Hemangiosarcoma in a dog.

2342

Transmission of equine sarcoid.

2348

Infectious peritonitis in cats.

2351

Food additives permitted in food for human consumption. Tylosin.

2407

ANIMAL ECOLOGY

Species dominance in co-incident infections by *Meloidogyne hapla* and *M. javanica* on tomato.

2247

ANIMAL HISTOLOGY

Effects of whole-body irradiation on baby pigs (*Sus scrofa*).

2283

Transmission of equine sarcoid.

2348

The pathogenesis of experimental distemper in mice.

2350

ANIMAL NUTRITION

Notice of opportunity for hearing regarding medicated animal feeds.

2270

Effect of arginine or serine on the need for glycine by the chick fed amino acid or casein diets.

2273

Interrelationship of antibiotics and coccidiostats on the growth of White Plymouth Rock chicks.

2311

Gastrointestinal protein loss in cattle. A clinical and pathophysiological study.

2324

The influence of varying dietary levels of magnesium, calcium and vitamin D on magnesium metabolism.

2341

ANIMAL PHYSIOLOGY

Determination of the water content of nematode worms by interference microscopy.

2242

Species dominance in co-incident infections by *Meloidogyne hapla* and *M. javanica* on tomato.

2247

Effect of arginine or serine on the need for glycine by the chick fed amino acid or casein diets.

2273

Metabolic studies with O,O-diethyl O-(3,5,6-trichloro-2-pyridyl) phosphorothioate (dursban) insecticide in a lactating cow.

2296

Metabolism of blood proteins in hens during natural and artificial moulting.

2310

Interrelationship of antibiotics and coccidiostats on the growth of White Plymouth Rock chicks.

2311

An experimental study of the allergen-specific enzymatic factor. II. Isolation trials of the allergen-specific enzymatic factor from the urine of rabbits.

2322

The effects of moldy alfalfa hay feeding on rumen activity, rumen protozoa and dairy steer performance, and analysis of toxic substance(s) associated with molding.

2323

Oxidative metabolism of phosphamidon in rats and a goat.

2388

The early effects of low DDT doses on the nervous system in animal experiments.

2428

Toxicity of fentin hydroxide to rats.

2431

Incomplete sodium inactivation in nodes of Ranvier treated with scorpion venom.

2436

ANIMAL TAXONOMY

Bats in California.

2357

ANIMAL VECTORS

Bats in California.

2357

ANIMALS

Specificity of insect viruses.

1987

Stabilization of animal and poultry feeds containing a tetracycline antibiotic. Patent 3,427,166.

2264

ANOPHELES

Genetic and cytogenetic relationships among certain nearctic anophelines.

2083

ANOPHELES ALBIMANUS

Aliphatic amines against insecticide-susceptible and resistant strains of *Culex pipiens quinquefasciatus* and *Anopheles albimanus*.

1968

ANTENNAE

On the morphology and the bionomics of the insects of economic importance. II. Head appendages in *Alphitobius diaperinus* (Panz.) (Tenebrionidae, Coleoptera).

2043

Some observations on chemoreception in the antennae of the centipede, *Scolopendra subspinipes* Leach (Mandibulata-Chilopoda).

2062

ANTHELMINTICS

Hygromix (hygromycin B). Drugs for veterinary use; drug efficacy study implementation.

2364

Vermex poultry tablets and vermex powder. Drugs for veterinary use - drug efficacy study implementation.

2372

The effect of tetramisole on *Muellerius capillaris* in goats.

2374

ANTHICIDAE

New Old World genera of the Eurygeniini (Coleoptera: Anthicidae).

1862

ANTHONOMUS GRANDIS

A vacuum probe for manipulating insects.

1859

Influence of changes in the cotton plant during the season on the feeding, oviposition, and development of the boll weevil.

1923

Attraction of female boll weevils to traps baited with males or extracts of males.

1945

Biological factors influencing responses of the female boll weevil to the male sex pheromone in field and large-cage tests.

1978

The role of moisture in the winter survival of the boll weevil complex in Arizona.

2001

Effects of simulated rain and dew on the toxicity of certain ultra-low-volume insecticidal spray formulations.

2020

A boll weevil oviposition suppression factor in cotton.

2208

Male boll weevils are more attractive than cotton plants to boll weevils.

2217

End of squaring as an economic indicator of approximate time to end insecticidal treatments for boll weevil control.

2227

ANTIBIOSIS

Influence of changes in the cotton plant during the season on the feeding, oviposition, and development of the boll weevil.

1923

ANTIBIOTICS

Stabilization of animal and poultry feeds containing a tetracycline antibiotic. Patent 3,427,166.

2264

Interrelationship of antibiotics and coccidiostats on the growth of White Plymouth Rock chicks.

2311

Pseudohookworm infection - trichostrongyliasis. Treatment with thiabendazole. (abstract).

2373

Characteristics of in vitro protein synthesis systems from *Rhizoctonia solani* and *Sclerotium bataticola*.

2456

Plant treatment in relation to the rhizosphere effect. II. Foliar applications of certain chemicals and antibiotics in relation to the rhizosphere microflora of rice (*Oryza sativa* L.).

2458

ANTIBODIES

Application of the kinetic seroneutralization test to the research of Rinderpest neutralizing antibodies in cattle sheep and goat.

2282

Attenuated infectious canine hepatitis live virus vaccine and method of producing same. Patent 3,432,391.

2298

Presence of antibodies against Rinderpest in dromedary in Chad.

2318

Serological survey on the Rickettsioses in dromedary in Chad.

2319

The pathogenesis of experimental distemper in mice.

2350

ANTIGENS

Serological survey on the Rickettsioses in dromedary in Chad.

2319

A modified mixed hemadsorption test and its application in the study of the avian leukosis-sarcoma viruses.

2337

A study of immunological reactions in bovine fascioloidiasis (*Fascioloides magna*).

2359

Immunological studies on experimental ascariasis.

2378

SUBJECT INDEX

ANTISEPSIS

- Antigen conversion in *Salmonella*. XI. Conversion in the N(O.30) group. 2437
- A new species of *Salmonella* of Nigerian origin, *Salmonella* Biafra. (3, 10:210:26). 2439

ANTISEPSIS

- Hints on the permanent rearing of *Dacus oleae* Gmelin (Diptera, Tetracampidae) in the laboratory. 1938

ANTISEPTICS

- Comparative review of BHC dust and malathion emulsion as agents for disinfection on the basis of past experience. 2379

AORTA

- Effects of estrogens on aortic connective tissue of turkeys. 2269

APHANOMYCES EUTEICHES

- An approach to the study of the population dynamics of *Aphanomyces euteiches* in soil. 2155

APHIDIDAE

- The aphid fauna of Spitsbergen. 1880
- Macrosiphum alpinum* n. sp. (Homoptera: Aphididae). 1898
- A demonstration through symbiotic microorganisms of the effect of sterol synthesis in artificially fed aphids (Homoptera, Rhynchotha, Insecta). 1955
- Laboratory rearing of aphids. 2019
- Biotic factors involved in crucifer aphid outbreaks following insecticide application. 2039
- Fluctuations in the population of *Schizolachnus piniradiatae* (Davidson) (Aphididae-Homoptera) in the Eastern Provinces during 1967. 2048
- Properties of a virus causing pokeweed mosaic. 2173
- The effect of aphid numbers and stage of plant growth in determining tolerance to barley yellow dwarf virus in cereals. 2179
- Transmission of maize dwarf mosaic by the greenbug, *Schizaphis graminum*. 2214
- Aphids and leafhoppers found on red clover in eastern Washington. 2221
- Biochemical analysis of aphid saliva and its importance in gall development. 2233
- Aphid populations in relation to tristeza in Florida citrus. 2235

APHIS GOSSYPII

- Principles of crowding effect in *Aphis gossypii* Glover (Aphididae, Homoptera). 1975

APHOLATE

- Effects of apholate on the alfalfa weevil. 2053

APICULTURE

- Comparative bee sociology I. Origin of communal and caste systems. 2042

APIOMORPHA

- Studies on the morphology and relationships of male *Apiomorpha* and *Opisthoscelis* (Hemiptera: Coccoidea). 2061

APIS MELLIFERA

- The residual contact toxicity to honey bees of insecticides sprayed on to white clover (*Trifolium repens* L.) in the laboratory. 1942
- Performance of laboratory-reared and artificially inseminated honey bee queens. 1950

- Effect of the venom of the bee *Apis mellifera* on osmotic fragility of cattle RBC. 2434

- Effect on honey bees of dichlorvos and bromophos applied as sprays to white clover (*Trifolium repens* L.). 2440

APORIA CRATAEGI

- The control of some species of pest insects by *Bacillus thuringiensis*. 1953

APPLES

- Biological notes on *Spilonota ocellana* Denis and Schiffermüller (Lepidoptera Tortricidae) in the foothill region of Friuli and preliminary indications on the factors adverse to its development. 1970
- A rapid method for determining the pathogenicity and factors associated with pathogenicity of *Phytophthora cactorum*. 2123
- Influence of the proliferation virus upon the quality and quantity of apple fruits. 2199
- Leaf changes brought about by *Empoasca flavescens* F. (Hom. Typhlocyidae) on apple trees. 2203
- An ecological study of some soil nematodes associated with apple trees in a New Zealand grassed orchard. 2241

AQUATIC ANIMALS

- Liver-fluke in Madagascar. Biological cycle of *Fasciola gigantica*. 2361

AQUATIC INSECTS

- Aquatic insect fauna of Brownsea Island and the Isle of Purbeck, Dorset. 1911

ARCEUTHOBium PUSILLUM

- Arceuthobium pusillum* on eastern larch in Wisconsin. 2257

ARECOLINE

- AH-NBC capsules. Drugs for veterinary use; drug efficacy study implementation. 2365

ARGININE

- Effect of arginine or scrine on the need for glycine by the chick fed amino acid or casein diets. 2273

AROMATIC HYDROCARBONS

- Comparison of chloro and thiocyanato groups as fungal toxiphores in dinitrobenzenes. 2187

ARTHROPODA

- On the ethometry of sign stimuli; the theory of the telotactic choice, and the power principle of the terminal cumulation in arthropods. 1990
- Arthropod parasites on the starling, *Sturnus vulgaris* L., in southwest Virginia. 2356

ARTIFICIAL INSEMINATION

- Performance of laboratory-reared and artificially inseminated honey bee queens. 1950

ASCARIDIA GALLI

- Hygromix (hygromycin B). Drugs for veterinary use; drug efficacy study implementation. 2364

ASCARIS

- Hygromix (hygromycin B). Drugs for veterinary use; drug efficacy study implementation. 2364
- AH-NBC capsules. Drugs for veterinary use; drug efficacy study implementation. 2365
- Dr. Mayfield large roundworm tablets. Drugs for veterinary use; drug efficacy study implementation. 2366

- Dizan powder and tablets. Drugs for veterinary use; drug efficacy study implementation announcement. 2367

- Vermiplex capsules. Drugs for veterinary use - drug efficacy study implementation. 2371

ASCARIS LUMBRICOIDES

- Concerning the larva migrans visceralis of *Ascaris lumbricoides* in the experimental host (mice). 2360

- Cadmium salts. Drugs for veterinary use - drug efficacy study implementation. 2368

ASCARIS LUMBRICOIDES SUUM

- Immunological studies on experimental ascariasis. 2378

ASCOMYCETES

- On the sensitiveness of several wood-decaying fungi to gaseous sterilization with propylene oxide. 2449

ASILIDAE

- Biology of the robber fly *Eutolmus rufibarbis* Mg. (Diptera, Asilidae) in Khabarovsk Territory. 2072

ASPERGILLUS

- Comparison of chloro and thiocyanato groups as fungal toxiphores in dinitrobenzenes. 2187

ASPERGILLUS AMSTELODAMI

- The effect of molds on the enzymic activity, respiration and viability of stored grain. 2381

ASPERGILLUS CANDIDUS

- Influence of moisture content, temperature, and time of storage upon invasion of rough rice by storage fungi. 2380

ASPERGILLUS FLAVUS

- Aflatoxin metabolism by liver microsomal preparations of two different species. 2332

- Influence of moisture content, temperature, and time of storage upon invasion of rough rice by storage fungi. 2380

ASPERGILLUS FUMIGATUS

- Moldy feeds pose hazard. 2277
- A nephrotoxin from *Aspergillus fumigatus* and its possible relationship with New Zealand mucosal disease-like syndrome in cattle. 2346

ASPERGILLUS GLAUCUS

- Influence of moisture content, temperature, and time of storage upon invasion of rough rice by storage fungi. 2380

ASPERGILLUS ORYZAE

- Influence of moisture content, temperature, and time of storage upon invasion of rough rice by storage fungi. 2380

ASPERGILLUS REPENS

- The effect of molds on the enzymic activity, respiration and viability of stored grain. 2381

ASSAY

- Critical study of a new device for gibberellin dosage by the elongation of the oat stem. 2454

ATRAZINE

- Several factors affecting adsorption of atrazine and diphenamid by soils. 2386

ATTRACTANTS

- Trapping for control of the Mexican fruit fly in mango and citrus groves. 1924
- Studies on the attack behavior of the southern pine beetle. II. Response to attractive host material. 1943

- Attraction of female boll weevils to traps baited with males or extracts of males. 1945
- The feeding of the mole cricket and its effect on outbrecks and control. 1973
- Biological factors influencing responses of the female boll weevil to the male sex pheromone in field and large-cage tests. 1978
- Field and laboratory studies of attraction of the synthetic sex pheromone to male cabbage looper moths. 1986
- Aggregation of German cockroach (*Blattella germanica*) nymphs. 1988
- Flashes of *Photuris* fireflies: Their value and use in recognizing species. 2005
- Artificial sex pheromones for the codling moth. 2014
- A laboratory evaluation of baits and chemosterilants on the little house fly. 2027
- Isolation of the population aggregating pheromone of the southern pine beetle. 2033
- Influence of distance on attraction of tobacco hornworm and corn earworm moths to radiations of a blacklight lamp. 2057
- Studies on the attack behavior of the southern pine beetle. IV. Influence of host condition on aggregation pattern. 2064
- Insect and host factors in the aggregation of the southern pine beetle. 2065
- Physiological bases for the luring and catching of insects. 2069
- Male boll weevils are more attractive than cotton plants to boll weevils. 2217
- Preference of green peach aphids for virus-infected sugarbeet leaves. 2224
- Whole town treatment for fruit fly control. 2236
- A new simple method for protecting rice against rice weevil (*Sitophilus oryzae*). 2384
- AUTOPSIES**
The effect of tetramisole on *Muellerius capillaris* in goats. 2374
- AUTORADIOGRAPHY**
Cellular and extracellular activities implementing selective assimilation of yolk proteins by *Cecropia* oocytes. 1919
- Chemical and biological properties of phytotoxic glycopeptides isolated from *Corynebacterium michiganense*. 2167
- AVENA STERILIS**
Inheritance of crown rust resistance in *Avena sterilis*. 2108
- AVIAN LEUKOSIS COMPLEX VIRUSES**
A modified mixed hemadsorption test and its application in the study of the avian leukosis-sarcoma viruses. 2337
- AZINPHOSMETHYL**
Procedure for semi-quantitative confirmation of some organophosphorus pesticide residues in plant extracts. 2426
- Consistency of *R_{st}* values of six organophosphorus pesticides resolved by thin-layer chromatography in the presence of plant extracts without elaborate clean-up. 2453
- BABY PIGS**
Moldy feeds pose hazard. 2277
- Effects of whole-body irradiation on baby pigs (*Sus scrofa*). 2283
- Pulmonary diseases of pig in Madagascar. 2335
- BACILLUS CEREUS**
Selection methods for pathogenic forms of microorganisms. 1956
- The longevity of conidia of *Sclerotinia fructicola* (Wint.) Rehm under field conditions. 2140
- BACILLUS SUBTILIS**
The effects of IPC, CIPC, Sevin and Zectran on *Bacillus subtilis*. 2132
- Effect of penicillin on the composition of amino sugars in acid-soluble fraction and mucopeptides from *Bacillus subtilis*. 2467
- BACILLUS THURINGIENSIS**
The control of some species of pest insects by *Bacillus thuringiensis*. 1953
- Inhibition of growth of *Bacillus thuringiensis* by amino acids in defined media. 2050
- BACTERIA**
Selection methods for pathogenic forms of microorganisms. 1956
- An incidence of the effect of glycine on the virulence of a strain of *Agrobacterium tumefaciens* (Smith and Town) Conn. 2149
- Stability of *Escherichia coli* endotoxin in the rat gastrointestinal tract. 2279
- Leucosis in swine as a finding from carcass inspection. 2281
- Mycobacterium buruli* lesions in the fruit bat web. 2284
- A new species of *Salmonella* of Nigerian origin, *Salmonella Bialfra*. (3, 10:z10:26). 2439
- Transmissible resistance factors in enterobacteriaceae isolated in Algeria. 2441
- BACTERIAL BLIGHT**
Epidemiology and prevention of bacterial blight disease of rice in India. 2183
- BACTERIAL CANKER**
Bacteriophage labeling of *Pseudomonas syringae*. 2134
- BACTERIAL DISEASES (INSECTS)**
Inhibition of growth of *Bacillus thuringiensis* by amino acids in defined media. 2050
- BACTERIAL DISEASES (PLANTS)**
Bacterial fruit rot of watermelon in Florida. 2130
- Bacteriophage labeling of *Pseudomonas syringae*. 2134
- An incidence of the effect of glycine on the virulence of a strain of *Agrobacterium tumefaciens* (Smith and Town) Conn. 2149
- Chemical and biological properties of phytotoxic glycopeptides isolated from *Corynebacterium michiganense*. 2167
- Some comparisons of chlorosis-inducing *Pseudomonas* toxins. 2177
- Epidemiology and prevention of bacterial blight disease of rice in India. 2183
- BACTERIAL LEAF SPOT**
Bacterial fruit rot of watermelon in Florida. 2130
- BACTERIOLOGY**
The effects of IPC, CIPC, Sevin and Zectran on *Bacillus subtilis*. 2132
- Experimental *Pasteurella multocida* infection in chickens exposed to cold: Biochemical and bacteriological investigations. 2301
- BACTERIOPHAGES**
Bacteriophage labeling of *Pseudomonas syringae*. 2134
- Bacteriophage reactions and pathogenic spectra of *Xanthomonas* species to cotton. 2135
- Saprophytic nematodes transmit *Streptomyces* phage. 2245
- BAGS**
Survival of soybean cyst nematodes in seed hags. 2243
- BAITS**
Trapping for control of the Mexican fruit fly in mango and citrus groves. 1924
- Attraction of female boll weevils to traps baited with males or extracts of males. 1945
- Biological factors influencing responses of the female boll weevil to the male sex pheromone in field and large-cage tests. 1978
- Field and laboratory studies of attraction of the synthetic sex pheromone to male cabbage looper moths. 1986
- A laboratory evaluation of baits and chemosterilants on the little house fly. 2027
- Male boll weevils are more attractive than cotton plants to boll weevils. 2217
- BALANCE OF NATURE**
Records of predators and parasites naturally prevalent in the Gujarat state. 2024
- BANANAS**
Fungal diseases of bananas in Hawaii. 2152
- Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Thiram. 2417
- BARK**
Studies on the attack behavior of the southern pine beetle. III. Sequence of tree infestation within stands. 1966
- Annotated list of insects infesting bark and wood of Fraser fir. 2200
- BARLEY**
DDT resistance in barley, *Hordeum vulgare* L. Induced mutants for resistance. 2114
- Virulence of various groups of loose smut of barley (*Ustilago nuda* (Jens.) Rostri) physiological races in the light of anatomical investigations of barley varieties different with regard to resistance. 2. The effect of infection upon anatomical features of plants. 2145
- Cytogenetic studies on the resistance of *Hordeum sativum* Jess. mutants, vaticky variety, to some fungus diseases. 2170
- BASIDIOMYCETES**
On the sensitiveness of several wood-decaying fungi to gaseous sterilization with propylene oxide. 2449

SUBJECT INDEX

BATS

- BATS**
Bats in California. 2357
- BDELLIDAE**
The ecology of *Sminthurus viridis* (L.) (Collembola). I. Processes influencing numbers in pastures in Western Australia. 2067
- BEANS**
Alfalfa mosaic virus-induced lesions on bean: Effect of light and temperature. 2133
Nature of the water-soluble metabolites of carbaryl in bean plants and their fate in rats. 2267
The effects of plant amendments and their associated microflora on *Rhizoctonia solani* Kuehn. 2451
Biological activity of PA-X, a plant regulator from bean seeds. 2460
- BEAUVERIA BASSIANA**
Selection methods for pathogenic forms of microorganisms. 1956
- BEE VENOM**
Effect of the venom of the bee *Apis mellifera* on osmotic fragility of cattle RBC. 2434
- BEEF CATTLE**
The effects of moldy alfalfa hay feeding on rumen activity, rumen protozoa and dairy steer performance, and analysis of toxic substance(s) associated with molding. 2323
- BEES**
Comparative bee sociology I. Origin of communal and caste systems. 2042
- BELONOLAIMUS LONGICAUDATUS**
Systemic pesticides for control of sting and stubby-root nematodes on vegetables. 2239
- BENTONITE**
Coated celery seed aids mechanization efforts. 2470
- BENZENE**
Vermiplex capsules. Drugs for veterinary use - drug efficacy study implementation. 2371
Measurement of residues of phorate and its oxygen analog sulfone in plant tissues by total phosphorus determination. 2421
- BENZENE HEXACHLORIDE**
Comparative review of BHC dust and malathion emulsion as agents for disinfestation on the basis of past experience. 2379
- BENZOIC ACID**
Progesterone-estradiol benzoate (hormonal implant). Drugs for veterinary use; drug efficacy study implementation. 2305
Testosterone propionate-estradiol benzoate (hormonal implant). Drugs for veterinary use; drug efficacy study implementation. 2306
- BIBLIOGRAPHY**
A bibliography of the alfalfa weevil, *Hypera postica* (Gyllenhal) Supplement I. 1944
Conclusions and resolutions of the general assembly of the International Commission for the Biological Control of Plant Pests (C. I. L. B.). Tunis, March 26-April 4, 1962. 2105
- BIDRIN**
Effect of soil systemic insecticides on flavor and residue in coffee. 2423
- BIFURAN**
Interrelationship of antibiotics and coccidiostats on the growth of White Plymouth Rock chicks. 2311

BIOCHEMISTRY

- Comparative chromatographic investigations of Arthropod cocoons. 1931
The distribution of radioactive strontium, cesium and iodine in the bodies of some insects. 1937
Variations of nucleic acid content in the salivary glands of *Drosophila hydei* during late larval development. 1949
A demonstration through symbiotic microorganisms of the effect of sterol synthesis in artificially fed aphids (Homoptera, Rhynchotha, Insecta). 1955
Aggregation of German cockroach (*Blattella germanica*) nymphs. 1988
Effect of radiofrequency electric field treatment on protein metabolism in yellow mealworm larvae. 1993
Developmental changes in the late larva of *Caliphora stygia*. I. Haemolymph. 1998
Isolation of a sex pheromone of the codling moth. 2013
Inhibition of growth of *Bacillus thuringiensis* by amino acids in defined media. 2050
Fatty acids in *Hyalophora cecropia*: Biosynthesis and constitution during development. 2055
Influence of aging on the rate of incorporation of tritiated thymidine in the nurse cells of *Drosophila melanogaster*. 2068
Studies on the genetic and environment regulation of xanthine dehydrogenase and its genetically related enzymes in *Drosophila melanogaster*. 2075
The influence of the genotype on cell affinities in combinations of imago organisms of *Drosophila melanogaster*. 2079
Inheritance and biochemistry of OP-RESISTANCE in a New York strain of the two-spotted spider mite. 2080
Biochemical studies on *Sclerotium rolfsii* Sacc. 2144
Biochemical control of disease resistance in plants. 2147
Effect of dimethyl sulfoxide on tobacco mosaic. 2165
Chemical and biological properties of phytotoxic glycopeptides isolated from *Corynebacterium michiganense*. 2167
Biochemical analysis of aphid saliva and its importance in gall development. 2233
Biochemical aspects of triazine based herbicides. 2255
Nature of the water-soluble metabolites of carbaryl in bean plants and their fate in rats. 2267
Effects of estrogens on aortic connective tissue of turkeys. 2269
Cytochemical studies on the lesion of equine infectious anemia. VII. Especially on the enzyme histochemistry of RES (Reticulo-Endothelial System) in the liver and spleen. 2300
Experimental *Pasteurella multocida* infection in chickens exposed to cold: Biochemical and bacteriological investigations. 2301
Interrelationship of antibiotics and coccidiostats on the growth of White Plymouth Rock chicks. 2311

- Kinetics of viral deoxyribonucleic acid, protein, and infectious particle production and alterations in host macromolecular syntheses in equine abortion (Herpes) virus-infected cells. 2327
Aflatoxin metabolism by liver microsomal preparations of two different species. 2332
Coenzyme Q10 in *Brucella abortus* Bang. 2345
Biochemical transformations of pesticides by soil micro-organisms. 2397
Degradation of DDT in Atlantic salmon (*Salmo salar*). 2400
The effect of even or uneven applications of DDT prills to pasture on DDT residues in stock. 2402
The early effects of low DDT doses on the nervous system in animal experiments. 2428
Incomplete sodium inactivation in nodes of Ranvier treated with scorpion venom. 2436
Response of cotton plant to certain combinations of fertilizers and Metaisosystox. 2447
Epoxidation of aldrin by plant materials. 2457
Degradation of monosodium methanearsonic acid by soil microorganisms. 2461
- BIOLOGICAL ASSAY**
The function of the accessory sex glands in *Periplaneta americana* (L.). I. A quantitative bioassay for the juvenile hormone. 1933
Report of third work conference on the use of nuclearepolyhedrosis virus for control of *Heliothis* species. 1934
Isolation of a sex pheromone of the codling moth. 2013
Artificial sex pheromones for the codling moth. 2014
Isolation of the population aggregating pheromone of the southern pine beetle. 2033
The coat protein gene of tobacco mosaic virus. I. Location of the gene by mixed infection. 2142
A laboratory assay for determining pathogenicity of *Phytophthora* spp. to tomato. 2169
Resistance mechanisms against onion pink root (*Pyrenochaeta terrestris*), bioassay of inoculum potential in soil and chemical control. 2174
A laboratory comparison of the effects of some insecticides on the Argentine stem weevil (*Hyperodes bonariensis* Kuschel) (Coleoptera: Curculionidae). 2207
The effect of even or uneven applications of DDT prills to pasture on DDT residues in stock. 2402
Growth regulator control of fruit set and development in the highbush blueberry (*VACCINIUM CORYMBOSUM* L.). 2450
- BIOLOGICAL CONTROL (INSECTS)**
Report of third work conference on the use of nuclearepolyhedrosis virus for control of *Heliothis* species. 1934
The acclimatization of *Zonahis variabilis* Pall. (Coleoptera, Meloidae) in Sardinia, 20 years after its introduction. 1946
Sexual sterilization of screw-worm flies: Reliability of the chemosterilant technique. 1947

- The control of some species of pest insects by *Bacillus thuringiensis*. 1953
- Selection methods for pathogenic forms of microorganisms. 1956
- A comparison and evaluation of residual, oral and topical treatments of tepa, tris (1-aziridinyl) phosphine oxide, used to sterilize German cockroaches *Blattella germanica* (Linnaeus). 1965
- Biological notes on *Spilonota ocellana* Denis and Schiffermuller (Lepidoptera Tortricidae) in the foothill region of Friuli and preliminary indications on the factors adverse to its development. 1970
- Principles of crowding effect in *Aphis gossypii* Glover (Aphididae, Homoptera). 1975
- Development and perspectives of biological control. 1976
- Biological factors influencing responses of the female boll weevil to the male sex pheromone in field and large-cage tests. 1978
- Artificial sex pheromones for the codling moth. 2014
- Records of predators and parasites naturally prevalent in the Gujarat state. 2024
- A laboratory evaluation of baits and chemosterilants on the little house fly. 2027
- An annotated list of hymenopterous parasites of citrus soft scales in Israel. 2041
- Fluctuations in the population of *Schizolachnus pini-radiatae* (Davidson) (Aphididae-Homoptera) in the Eastern Provinces during 1967. 2048
- Chambers for incubating individual insect eggs and egg parasites. 2054
- Automated sexing of pupae and its usefulness in control by sterile insects. 2097
- Effect of temperature, light, and date of collection on the feeding rate of the sweetclover weevil. 2209
- Male boll weevils are more attractive than cotton plants to boll weevils. 2217
- The feeding behavior and biology of *Paraprone-matus acaciae* (Acarina: Tydeidae). 2225
- Inundative releases of *Chrysopa carnea* for control of *Heliothis* on cotton. 2231
- BIOLOGICAL CONTROL (PESTS)**
- Conclusions and resolutions of the general assembly of the International Commission for the Biological Control of Plant Pests (C. I. L. B.). Tunis, March 26-April 4, 1962. 2105
- BIOLOGICAL CONTROL (PLANT DISEASES)**
- The coat protein gene of tobacco mosaic virus. I. Location of the gene by mixed infection. 2142
- BIOLOGICAL CONTROL (WEEDS)**
- Apion seed weevil introduced for biological control of Scotch broom. 2254
- BIOLOGICAL TRANSPORT**
- 32P and 35S transfer from susceptible wheat to *Erysiphe graminis* f. sp. *tritici* during primary infection. 2156
- BIOLOGY**
- Potato tuber eelworm. 2249
- Some observations on the biological cycle of *Tylenchulus semipenetrans* Cobb, 1913 (Nematoda, Tylenchulidae). 2250
- Bats in California. 2357
- BIOPSY**
- Fatty tissue biopsy in pigs. 2299
- BIOSYNTHESIS**
- Fatty acids in *Hyalophora cecropia*: Biosynthesis and constitution during development. 2055
- Effects of potassium, magnesium, and nitrogen deficiencies on the concentration of chlorogenic acid and scopolin in tobacco. 2116
- BIRDS**
- Arthropod parasites on the starling, *Sturnus vulgaris* L., in southwest Virginia. 2356
- Residues of organochlorine insecticides in dead birds in the United Kingdom. 2422
- BIRDSFOOT TREFOIL**
- Seedlings vigor evaluation of four birdsfoot trefoil varieties grown under two temperature regimes. 2106
- Germination, growth, and respiration rates of birdsfoot trefoil at three temperatures during the early nonphotosynthetic stage of development. 2110
- BLACKBERRIES**
- Comparison of herbicides and times of spraying for the control of blackberry (*Rubus fruticosus*). 2258
- BLATTELLA GERMANICA**
- Baygon in field tests against German cockroaches. 1935
- A comparison and evaluation of residual, oral and topical treatments of tepa, tris (1-aziridinyl) phosphine oxide, used to sterilize German cockroaches *Blattella germanica* (Linnaeus). 1965
- Aggregation of German cockroach (*Blattella germanica*) nymphs. 1988
- Linkage studies of aldrin resistance in *Blattella germanica* (L.). 2011
- BLATTIDAE**
- Linkage studies of aldrin resistance in *Blattella germanica* (L.). 2011
- BLOAT**
- Typanol. Drugs for veterinary use; drug efficacy study implementation. 2315
- BLOOD**
- Metabolism of blood proteins in hens during natural and artificial moulting. 2310
- BLOOD CELLS**
- Effect of the venom of the bee *Apis mellifera* on osmotic fragility of cattle RBC. 2434
- BLOOD COAGULATION**
- Vetistat. Drugs for veterinary use - drug efficacy study implementation. 2272
- BLOOD TESTS**
- Observations on the use of Antrycide Prosalt and the resistance of cattle to Trypanosomiasis. 2285
- An association between serum amylase phenotype and tick infestation in cattle. 2353
- BLOOD VESSELS**
- Cytochemical studies on the lesion of equine infectious anemia. VII. Especially on the enzyme histochemistry of RES (Reticulo-Endothelial System) in the liver and spleen. 2300
- BLUE COMB**
- Research on diseases of poultry. 2331
- BLUEBERRIES**
- Growth regulator control of fruit set and development in the highbush blueberry (*VAC-CINIUM CORYMBOSUM* L.). 2450
- BLUETONGUE**
- Pathologic responses of the mature and developing nervous system to bluetongue virus. 2336
- BOMBUS**
- Investigation into the appearance of the three castes in the bumblebee colony. 2040
- BOMBYX MORI**
- The free amino acid pattern in tissues of silkworm during development. 2049
- BONE MARROW**
- Effects of whole-body irradiation on baby pigs (*Sus scrofa*). 2283
- BOOPHILUS MICROPLUS**
- The structure of the spiracles of the cattle tick, *Boophilus microplus*. 1982
- Inheritance of resistance to organophosphorus acaricides in the cattle tick, *Boophilus microplus*. 2092
- Brain cholinesterase activity and its inheritance in cattle tick (*Boophilus microplus*) strains resistant and susceptible to organophosphorus acaricides. 2093
- An association between serum amylase phenotype and tick infestation in cattle. 2353
- BORAX**
- Trapping for control of the Mexican fruit fly in mango and citrus groves. 1924
- BORON**
- Notice of filing of petition regarding pesticide chemicals. 2410
- BRACONIDAE**
- A contribution to the knowledge of the Braconidae of Spain. I. New discoveries of genera and species. 1877
- Hymenoptera and nematodes as parasites of *Tachyporus* species (Col.; Staphylinidae) with special consideration of *Centistes lucidator* (Nees) (Hym.; Braconidae). 2223
- BRADYSIA**
- Interaction of a fungus gnat, *Bradysia* sp. (Sciaridae) with *Fusarium* spp. on alfalfa and red clover. 2222
- BRAIN**
- The embryonic development of the brain in paurometabolic insects. A study on *Carausius morosus* and *Periplaneta americana*. 2007
- Effects of DDT on brain electrical activity in awake, unrestrained rats. 2352
- Cholinesterase inhibition in the acute toxicity of alkylsubstituted 2-aminoethanols. 2432
- BRASSICA**
- Studies of the ecology of the cabbage aphid (*Brevicoryne brassicae* (L.)) on brassica field crops in Canterbury, New Zealand. II. Population study, 1959-60. 2219
- BREEDING**
- Competitive mating tests between normal and aspermic male house flies. 2035

SUBJECT INDEX

BREVICORYNE BRASSICAE

Inheritance and biochemistry of OP-RESISTANCE in a New York strain of the two-spotted spider mite.

2080

Gross variations in the response to man among yellow-fever mosquito populations in the laboratory

2098

A mass screening procedure for isolating alfalfa seedlings with resistance to the alfalfa weevil.

2204

Effect of DDT or parathion on condition avoidance response of offspring from DDT or parathion treated mothers. (abstract).

2427

BREVICORYNE BRASSICAE

Studies of the ecology of the cabbage aphid (*Brevicoryne brassicae* (L.)) on brassica field crops in Canterbury, New Zealand. II. Population study, 1959-60.

2219

A new biotype of cabbage aphid (*Brevicoryne brassicae* (L.)) on aphid resistant rape (*Brassica napus* L.).

2220

BROADBEANS

Purification and properties of broad bean wilt virus.

2189

BROMACIL

Thin-layer chromatography of bromacil residues in soils.

2401

BROMIDES

AH-NBC capsules. Drugs for veterinary use; drug efficacy study implementation.

2365

Bromide residues from methyl bromide fumigation of food commodities.

2399

BROMOPHOS

Effect on honey bees of dichlorvos and bromophos applied as sprays to white clover (*Trifolium repens* L.).

2440

BROWN ROT

Contribution to the application method for fungicides to control potato blight.

2128

The longevity of conidia of *Sclerotinia fructicola* (Wint.) Rehm under field conditions.

2140

Enzymic browning and free tyrosine in potatoes as affected by pentachloronitrobenzene.

2188

BROWN SPOT

Morphology, pathogenicity, and cultural characteristics of single conidium isolates of *Alternaria longipes*.

2180

BRUCELLA

Mechanism of the ring forming in the ABR test.

2274

An experimental study of the allergen-specific enzymatic factor. II. Isolation trials of the allergen-specific enzymatic factor from the urine of rabbits.

2322

BRUCELLA ABORTUS

Mechanism of the sediment forming in the agglutination test performed with *Brucella abortus* suspension.

2275

Coenzyme Q10 in *Brucella abortus* Bang.

2345

BUFFER SUBSTANCES

Plot techniques with maize dwarf mosaic virus: II. Greenhouse studies.

2150

BUILDINGS

Baygon in field tests against German cockroaches.

1935

BUSHY STUNT

Proof of the presence of the tomato bushy stunt virus in grape tendrils.

2120

CADMIUM

Cadmium salts. Drugs for veterinary use - drug efficacy study implementation.

2368

CADRA CAUTELLA

Temporal distribution of *Tribolium castaneum* Herbst and *Cadra cautella* Walker on temperature gradients.

1917

CALCIUM

The influence of varying dietary levels of magnesium, calcium and vitamin D on magnesium metabolism.

2341

CALLIPHORA STYGIA

Developmental changes in the late larva of *Calliphora stygia*. I. Haemolymph.

1998

CALVES

Salmonella infection in calves and other animals. II. Comparison of selective media.

2325

A study of immunological reactions in bovine fascioloidiasis (*Fascioloides magna*).

2359

CAMELS

Presence of antibodies against Rinderpest in dromedary in Chad.

2318

Serological survey on the Rickettsioses in dromedary in Chad.

2319

CAMPOPLEX HAYWARDI

Heat-extraction technique for recovery of potato tuberworm larvae from potato tubers.

2029

CANDIDA ALBICANS

Establishment and treatment of cutaneous *Candida albicans* infection in the rabbit.

2316

CANINE DISTEMPER

The pathogenesis of experimental distemper in mice.

2350

CANINE HEPATITIS VACCINES

Attenuated infectious canine hepatitis live virus vaccine and method of producing same. Patent 3,432,391.

2298

CANKER

Comandra rust damage to ponderosa pine in Oregon and Washington.

2104

CAPESELLA BURSA-PASTORIS

Selective herbicides control weeds in lucerne at Cowra.

2262

CARAUSIUS MOROSUS

The embryonic development of the brain in paurometabolic insects. A study on *Carausius morosus* and *Periplaneta americana*.

2007

CARBAMATES

Systemic pesticides for control of sting and stubby-root nematodes on vegetables.

2239

CARBARYL

Biotic factors involved in crucifer aphid outbreaks following insecticide application.

2039

The effects of IPC, CIPC, Sevin and Zectran on *Bacillus subtilis*.

2132

The effect of some pesticides on the soil invertebrate fauna in the South Taiga Zone in the Perm Region (USSR).

2238

Nature of the water-soluble metabolites of carbaryl in bean plants and their fate in rats.

2267

Eradication efforts against tropical bont tick, *Amblyomma variegatum* in the Virgin Islands.

2354

Removal of DDT, malathion, and carbaryl from tomatoes by commercial and home preparative methods.

2398

Effects of lindane and carbaryl on insects, soil and plant nitrogen, and grain yield of rice.

2445

CARBOHYDRATES

Developmental changes in the late larva of *Calliphora stygia*. I. Haemolymph.

1998

Some observations on chemoreception in the antennae of the centipede, *Scolopendra subspinipes* Leach (Mandibulata-Chilopoda).

2062

Carbohydrate reserves in mountain range plants with respect to phenological stage of development and artificial defoliation.

2446

CARBON

Use of carbon to reduce uptake of insecticidal soil residues by crop plants. Effects of carbon on insecticide adsorption and toxicity in soils.

2419

CARBON DIOXIDE

The effect of nucleases and nucleic acid synthesis inhibitors on sigma virus multiplication in *Drosophila melanogaster*.

1979

CARBON DISULFIDE

Reduction in mortality of peach trees following preplant soil fumigation.

2103

CARBOPHENOTHION

Procedure for semi-quantitative confirmation of some organophosphorus pesticide residues in plant extracts.

2426

Consistency of Rst values of six organophosphorus pesticides resolved by thin-layer chromatography in the presence of plant extracts without elaborate clean-up.

2453

CARCASSES

Leucosis in swine as a finding from carcass inspection.

2281

Fatty tissue biopsy in pigs.

2299

CARCINOGENS

Aflatoxin metabolism by liver microsomal preparations of two different species.

2332

CARPOCAPSA POMONELLA

Isolation of a sex pheromone of the codling moth.

2013

Artificial sex pheromones for the codling moth.

2014

CARROTS

Mechanism of resistance of carrot roots to *Pythium aphanidermatum* (Eds.) Fitz.

2126

CASEIN

Effect of arginine or serine on the need for glycine by the chick fed amino acid or casein diets.

2273

Metabolism of blood proteins in hens during natural and artificial moulting.

2310

Collagenolytic activity of snake and spider venoms.

2435

CASTORBEANS

A technique for evaluating varietal resistance of castor to castor jassid (*Empoasca flavescens* Fabricius).

2232

SUBJECT INDEX

CHEMICAL CONTROL (INSECTS)

CATALOGS

New Old World genera of the Eurygeniini (Coloptera: Anthicidae). 1862

The distribution of ants in central southern England. 1867

The Chironomidae of Florida. II. The nuisance species. 1868

As yet unknown Dolichopodidae (Dipt.) for the Bulgarian fauna. 1870

Strepsiptera from the Mississippi coast. 1888

New species of horn mites (Acariformes, Aribatei) from the Caucasus and Transcaucasia. 1889

New species of the Sarcophaga Meigen genus (Fam. Sarcophagidae, Diptera). 1890

Australian Blattidae (Blattodea). VII. The Platyzosteria group; general remarks and revision of the subgenera Platyzosteria Brunner and Leptozosteria Tepper. 1894

A survey of the scutacarid (Acari: Tarsonemini) fauna of Australia. 1895

A new genus of Scelionidae (Hymenoptera) with austral disjunctive distribution. 1897

Ticks from Turkey (Acari, Ixodidae). 1900

On some Steninae from the Helsinki Zoological Museum (Coleoptera, Staphylinidae). (43. Contribution to the knowledge of the Steninae). 1904

Aquatic insect fauna of Brownsea Island and the Isle of Purbeck, Dorset. 1911

Rondonema thapari n. sp. from the millipede (Spirostreptus sp.). 1958

On a known and some new species of insect nematodes. 1959

On the soil fauna of meadow and alfalfa stocked fields of different locations with special consideration of the Oribatids. 2045

CATECHOL

Effect of the venom of the scorpion Tityus serrulatus on adrenal gland catecholamines. 2433

CATERPILLARS

On the mechanism involved in perception of light stimuli during the photoperiodic reaction in Lepidoptera caterpillars. (TT 61-23975). 1967

The feeding of the mole cricket and its effect on outbreaks and control. 1973

CATS

Infectious peritonitis in cats. 2351

Vermiplex capsules. Drugs for veterinary use - drug efficacy study implementation. 2371

Sparganosis in a cat. 2376

CATTLE

Influence of moisture content of bovine feces on oviposition and development of the face fly. 1927

Application of the kinetic seroneutralization test to the research of Rinderpest neutralizing antibodies in cattle sheep and goat. 2282

Observations on the use of Antrycide Prosalt and the resistance of cattle to Trypanosomiasis. 2285

Contagious bovine pleuropneumonia, its treatment and control. 2286

Testosterone propionate-estradiol benzoate (hormonal implant). Drugs for veterinary use; drug efficacy study implementation. 2306

Loss of serum proteins via the intestinal tract in calves with infectious diarrhea. 2317

Gastrointestinal protein loss in cattle. A clinical and pathophysiological study. 2324

Studies on bovine tuberculosis. Effects of repeated tuberculations in infected cattle. 2326

Effect of thiabendazole on Pithomyces chartarum (Berk. Curt.) M. B. Ellis. 2340

A nephrotoxin from Aspergillus fumigatus and its possible relationship with New Zealand mucosal disease-like syndrome in cattle. 2346

An association between serum amylase phenotype and tick infestation in cattle. 2353

A study of immunological reactions in bovine fascioloidiasis (Fascioloides magna). 2359

Notice of filing of petition regarding pesticide chemicals. 2392

Notice of filing of petition regarding pesticide chemicals. 2393

The effect of even or uneven applications of DDT prills to pasture on DDT residues in stock. 2402

Heptachlor residues in soil, pasture, and stock resulting from the treatment of soil or pasture with heptachlor granules. 2424

Improved method for determination of sulfonamides in milk and tissues. 2425

Effect of the venom of the bee Apis mellifera on osmotic fragility of cattle RBC. 2434

CAULIFLOWER

On the food utilization and digestion of major food nutrients in the lepidopterous larvae feeding on cauliflowers. 2009

CECIDOMYIIDAE

Mass rearing technique of rice gall midge (Pachytiplosis oryzae Wood-Mason) and notes on its biology. 2002

Consideration of the problems raised by the recent cecidomyiid attack on corn flowers. 2213

CELERY

Coated celery seed aids mechanization efforts. 2470

CELL NUCLEUS

Influence of aging on the rate of incorporation of tritiated thymidine in the nurse cells of Drosophila melanogaster. 2068

Karyotypes and nuclear size in the spermatogenesis of grasshoppers belonging to the subfamilies Gomphomastacinae, Chininae and Biroellinae (Orthoptera, Eumastacidae). 2096

CELL WALL

Effects of estrogens on aortic connective tissue of turkeys. 2269

CELLS

The presence waxes in two kinds of lac cells. 2006

The influence of the genotype on cell affinities in combinations of imago organisms of Drosophila melanogaster. 2079

Host resistance responses- an induction hypothesis. 2139

Ear removal and cell death rate in corn stalk tissue. 2163

Kinetics of viral deoxyribonucleic acid, protein, and infectious particle production and alterations in host macromolecular syntheses in equine abortion (Herpes) virus-infected cells. 2327

CENTRAL NERVOUS SYSTEM

The early effects of low DDT doses on the nervous system in animal experiments. 2428

CEPHALOSPORIUM GREGATUM

Resistance to brown stem rot in soybeans. 2102

CERAMBYCIDAE

New longicorns of the Museum of Natural History at Geneva. 1872

Notes on cerambycinae (Col. Cerambycidae). 1896

CERATOBASIDIUM

The effects of plant amendments and their associated microflora on Rhizoctonia solani Kuehn. 2451

CERATOCYSTIS ULMI

Dutch elm disease found in Idaho. 2164

Dutch elm disease detected in Mississippi. 2195

CERCOSPORA COFFEICOLA

Studies on the brown-eye-spot disease (Cercospora coffeicola Berk. et Cke.) of coffee (Coffea arabica L.). V. Nutritional requirements of the pathogen. 2186

CEREAL LEAF BEETLE

Domestic quarantine notices. Cereal leaf beetle. 2201

CEROPLASTES FLORIDENSIS

An annotated list of hymenopterous parasites of citrus soft scales in Israel. 2041

CEROPLASTES RUSCI

An annotated list of hymenopterous parasites of citrus soft scales in Israel. 2041

CESIUM ISOTOPES

The distribution of radioactive strontium, cesium and iodine in the bodies of some insects. 1937

CESTODA

Vermiplex capsules. Drugs for veterinary use - drug efficacy study implementation. 2371

Sparganosis in a cat. 2376

CHALCIDIDAE

Euderomphalus clavicornis Thoms. (Hymenoptera, Chalcididae) found in Finland. 1883

CHALCIDOIDEA

New Mymaridae (Hymenoptera, Chalcidoidea) fauna for Finland. 1881

CHAOBORUS PUNCTIPENNIS

Environmental factors regulating the diurnal vertical migration of Chaoborus larvae. 2000

CHELONETHIDA

First reports on the ultrastructure of the alimentary canal of a pseudoscorpion. 1921

CHEMICAL CONTROL (INSECTS)

Vacuum cleaner for use with granular applicators in fieldplot work. 1858

Glossina palpalis gambiensis Vanderplank (Diptera in the Niayes and 1899

SUBJECT INDEX

CHEMICAL CONTROL (NEMATODES)

- Pre-bloom oil sprays for European red mite control. 1932
- Baygon in field tests against German cockroaches. 1935
- Sexual sterilization of screw-worm flies: Reliability of the chemosterilant technique. 1947
- The control of some species of pest insects by *Bacillus thuringiensis*. 1953
- Control tests against *Dacus oleae* Gmel. in the coastal region of Tuscany during 1965. 1960
- A comparison and evaluation of residual, oral and topical treatments of tepa, tris (1-aziridinyl) phosphine oxide, used to sterilize German cockroaches *Blattella germanica* (Linnaeus). 1965
- Aliphatic amines against insecticide-susceptible and resistant strains of *Culex pipiens quinquefasciatus* and *Anopheles albimanus*. 1968
- The feeding of the mole cricket and its effect on outbreaks and control. 1973
- Laboratory evaluation of several new insecticides for control of the pale western cutworm. 2012
- Laboratory and field evaluation of larvicides against chironomid midges. 2018
- Effects of simulated rain and dew on the toxicity of certain ultra-low-volume insecticidal spray formulations. 2020
- Sampling to detect economic infestations of *Limoniuss* spp. 2022
- A laboratory evaluation of baits and chemosterilants on the little house fly. 2027
- Effect of droplet size on persistence of ULV malathion and comparison of toxicity of ULV and EC malathion to tobacco budworm larvae. 2031
- Effects of apholate on the alfalfa weevil. 2053
- Studies on the effect of commercial formulations of some organophosphorous insecticides on the cotton leaf worm, *Prodenia litura* F. under field conditions. 2073
- Scientists attack corn borer. 2202
- A laboratory comparison of the effects of some insecticides on the Argentine stem weevil (*Hyperodes bonariensis* Kuschel) (Coleoptera: Curculionidae). 2207
- Chemical control of mango hoppers (*Idiocerus* spp.). 2211
- Consideration of the problems raised by the recent cecidomyiid attack on corn flowers. 2213
- End of squaring as an economic indicator of approximate time to end insecticidal treatments for boll weevil control. 2227
- Insecticidal control of the sugarcane borer in corn. 2229
- Aerial applications of PIB-7 and malathion to suppress populations of *Anastrepha suspensa*. 2234
- Whole town treatment for fruit fly control. 2236
- Method of controlling and eradicating mites. Patent 3,427,385. 2237

- The effect of some pesticides on the soil invertebrate fauna in the South Taiga Zone in the Perm Region (USSR). 2238
- Eradication efforts against tropical bont tick, *Amblyomma variegatum* in the Virgin Islands. 2354
- Control of the northern fowl mite on laying hens with Shell SD-8447. 2358
- Comparative review of BHC dust and malathion emulsion as agents for disinfestation on the basis of past experience. 2379
- Residues in pasture following application of a granular heptachlor preparation. 2403
- Notice of filing of petition regarding pesticide chemicals. 2412
- An accurate and safe hand-operated, vehicle-mounted applicator for granular insecticides in seed orchards. 2469
- CHEMICAL CONTROL (NEMATODES)**
- Systemic pesticides for control of sting and stubby-root nematodes on vegetables. 2239
- The influence of a small application of manure near the seeds on the plant's resistance to infection by nematodes. 2240
- The effects of host nutrition and soil fumigation on the penetration and pathogenicity of *Meloidogyne javanica* (Treub, 1885) Chitwood, 1949 on tomato. 2252
- Nebraska root-gall nematode of sugar beets. 2253
- CHEMICAL CONTROL (PESTS)**
- Campaign against stored grain pests in villages of IADP District Ludhiana. 2382
- Plant treatment in relation to the rhizosphere effect. II. Foliar applications of certain chemicals and antibiotics in relation to the rhizosphere microflora of rice (*Oryza sativa* L.). 2458
- CHEMICAL CONTROL (PLANT DISEASES)**
- Contribution to the application method for fungicides to control potato blight. 2128
- Chemical control of scab on citrus in Florida. 2136
- Annosus root-rot in slash pine plantations four years after thinning and stump treatments. 2138
- Effect of dimethyl sulfoxide on tobacco mosaic. 2165
- Epidemiology and prevention of bacterial blight disease of rice in India. 2183
- Enzymic browning and free tyrosine in potatoes as affected by pentachloronitrobenzene. 2188
- CHEMICAL CONTROL (WEEDS)**
- Nebraska root-gall nematode of sugar beets. 2253
- Progress report on Johnsongrass control in orchards. 2256
- Comparison of herbicides and times of spraying for the control of blackberry (*Rubus fruticosus*). 2258
- Control of weeds in wheat crop by 2,4-D. 2260
- Selective herbicides control weeds in lucerne at Cowra. 2262
- Notice of filing of petition regarding pesticide chemicals. 2411

- Notice of filing of petition regarding pesticide chemicals. 2413
- Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Diphenamid. 2415
- CHEMICAL INDICATORS**
- Composition containing penicillin and dye indicator for treating udders. Patent 3,427,377. 2265
- CHEMICAL REACTIONS**
- Degradation of DDT in Atlantic salmon (*Salmo salar*). 2400
- Simplified method of preparing column materials for gasliquid chromatographic separation of some pesticides. 2465
- CHEMICALS**
- Artificial sex pheromones for the codling moth. 2014
- Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Miscellaneous amendments. 2389
- Notice of filing of petition regarding pesticide chemicals. 2391
- Notice of filing of petition regarding pesticide chemicals. 2392
- Notice of filing of petition regarding pesticide chemicals. 2393
- Notice of filing of petition regarding pesticide chemicals. 2395
- Notice of filing of petitions regarding pesticide chemicals and food additives. 2396
- Biochemical transformations of pesticides by soil micro-organisms. 2397
- Food additives permitted in feed and drinking water of animals or for the treatment of food-producing animals. Thiabendazole. 2409
- Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Diphenamid. 2415
- Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. O-ethyl S-phenyl ethylphosphonodithioate. 2416
- Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Thiram. 2417
- Omega, a useful index of soil sorption equilibria. 2464
- CHEMISTRY**
- Listing of color additives for food use exempt from certification; listing of color additives for drug use exempt from certification. Cochineal extract. 2463
- Simplified method of preparing column materials for gasliquid chromatographic separation of some pesticides. 2465
- CHEMORECEPTORS**
- Some observations on chemoreception in the antennae of the centipede, *Scolopendra subspinipes* Leach (Mandibulata-Chilopoda). 2062
- CHEMOSTERILANTS**
- Sexual sterilization of screw-worm flies: Reliability of the chemosterilant technique. 1947
- A comparison and evaluation of residual, oral and topical treatments of tepa, tris (1-aziridinyl)

- phosphine oxide, used to sterilize German cockroaches *Blattella germanica* (Linnaeus). 1965
- A laboratory evaluation of baits and chemosterilants on the little house fly. 2027
- Effects of apholate on the alfalfa weevil. 2053
- CHERIMOYA**
Preliminary study on the effect of gibberellic acid on fruit set in the Cherimoya. 2452
- CHERRIES**
Investigations concerning ringspot virus disease of the cherry. III. Serological investigations. 2168
- CHICK EMBRYOS**
A modified mixed hemadsorption test and its application in the study of the avian leukosis-sarcoma viruses. 2337
- CHICKENS**
Food additives permitted in the feed and drinking water of animals or for the treatment of food-producing animals. Zoalene, 3-nitro-4-hydroxyphenylarsonic acid. 2268
- Experimental *Pasteurella multocida* infection in chickens exposed to cold: Biochemical and bacteriological investigations. 2301
- Metabolism of blood proteins in hens during natural and artificial moulting. 2310
- Control of the northern fowl mite on laying hens with Shell SD-8447. 2358
- The effect of dimethylalum on experimental chicken coccidiosis. 2377
- CHICKS**
Effect of arginine or serine on the need for glycine by the chick fed amino acid or casein diets. 2273
- Interrelationship of antibiotics and coccidiostats on the growth of White Plymouth Rock chicks. 2311
- Research on the relationship between the tumor causing virus of the quail and the rous sarcoma virus. 2334
- CHIRONOMIDAE**
The Chironomidae of Florida. II. The nuisance species. 1868
- Laboratory and field evaluation of larvicides against chironomid midges. 2018
- The use of imaginal disks for the determination of the developmental stage of larvae of *Chironomus* (Dipt.). 2071
- CHIRONOMUS THUMMI**
The use of imaginal disks for the determination of the developmental stage of larvae of *Chironomus* (Dipt.). 2071
- CHITIN**
The fine structure of the cuticle. A contribution to the question of the protection against its own poison of the Madeira roach. 1971
- CHLORIDES**
Notice of filing of petition for food additives diethylcarbamazine, styrylpyridinium chloride. 2362
- AH-NBC capsules. Drugs for veterinary use; drug efficacy study implementation. 2365
- CHLORINATED HYDROCARBONS**
The residual contact toxicity to honey bees of insecticides sprayed on to white clover (*Trifolium repens* L.) in the laboratory. 1942
- Resistance mechanisms against onion pink root (*Pyrenochaeta terrestris*), bioassay of inoculum potential in soil and chemical control. 2174
- Residues of organochlorine insecticides in dead birds in the United Kingdom. 2422
- The early effects of low DDT doses on the nervous system in animal experiments. 2428
- Simplified method of preparing column materials for gasliquid chromatographic separation of some pesticides. 2465
- CHLORINE**
Saprozoic nematodes transmit *Streptomyces* phage. 2245
- CHLORO-1-(2,4,5-TRICHLOROPHENYL) VINYL DIMETHYL PHOSPHATE, 2-**
Control of the northern fowl mite on laying hens with Shell SD-8447. 2358
- CHLOROGENIC ACID**
Effects of potassium, magnesium, and nitrogen deficiencies on the concentration of chlorogenic acid and scopolin in tobacco. 2116
- CHLOROPHYLLS**
DDT resistance in barley, *Hordeum vulgare* L. Induced mutants for resistance. 2114
- CHLOROSIS**
Gene dosage effects on monogenic chlorotic lesion resistance to northern corn leaf blight. 2158
- Some comparisons of chlorosis-inducing Pseudomonad toxins. 2177
- The effect of drainage on physiological disorders of rice grown on the sub-coastal plains of the Adelaide River, N.T. 2184
- CHLOROXYURON**
Selective action of chloroxyuron on soybean and morningglory. 2448
- CHLORTETRACYCLINE**
Notice of opportunity for hearing regarding medicated animal feeds. 2270
- Interrelationship of antibiotics and coccidiostats on the growth of White Plymouth Rock chicks. 2311
- CHOLINESTERASES**
Inheritance and biochemistry of OP-RESISTANCE in a New York strain of the two-spotted spider mite. 2080
- Brain cholinesterase activity and its inheritance in cattle tick (*Boophilus microplus*) strains resistant and susceptible to organophosphorus acaricides. 2093
- Cholinesterase inhibition in the acute toxicity of alkylsubstituted 2-aminoethanols. 2432
- CHORISTONEURA OCCIDENTALIS**
Distribution of hibernating larvae of the western budworm, *Choristoneura occidentalis*, on Douglas-fir in Colorado. 2226
- CHROMATOGRAPHY**
Comparative chromatographic investigations of Arthropod cocoons. 1931
- Separation of the free ninhydrin-positive fractions in *Phormia* and *Drosophila* using two-dimensional high voltage electrophoresis. 1940
- Studies on the physiology of the fat body of *Pyrrhocoris apterus* L. 2008
- Isolation of a sex pheromone of the codling moth. 2013
- Isolation of the population aggregating pheromone of the southern pine beetle. 2033
- Fatty acids in *Hyalophora cecropia*: Biosynthesis and constitution during development. 2055
- Studies on the attack behavior of the southern pine beetle. IV. Influence of host condition on aggregation pattern. 2064
- Studies on the genetic and environment regulation of xanthine dehydrogenase and its genetically related enzymes in *Drosophila melanogaster*. 2075
- Biochemical studies on *Sclerotium rolfsii* Sacc. 2144
- Chemical and biological properties of phytotoxic glycopeptides isolated from *Corynebacterium michiganense*. 2167
- Resistance mechanisms against onion pink root (*Pyrenochaeta terrestris*), bioassay of inoculum potential in soil and chemical control. 2174
- Pyrimidine hydrates and dimers in ultraviolet-irradiated tobacco mosaic virus ribonucleic acid. 2178
- Several factors affecting adsorption of atrazine and diphenamid by soils. 2386
- Notice of filing of petition regarding pesticide chemicals. 2390
- Notice of filing of petition regarding pesticide chemicals. 2392
- Degradation of DDT in Atlantic salmon (*Salmo salar*). 2400
- Thin-layer chromatography of bromacil residues in soils. 2401
- Measurement of residues of phorate and its oxygen analog sulfone in plant tissues by total phosphorus determination. 2421
- Residues of organochlorine insecticides in dead birds in the United Kingdom. 2422
- Procedure for semi-quantitative confirmation of some organophosphorus pesticide residues in plant extracts. 2426
- Selective action of chloroxyuron on soybean and morningglory. 2448
- Growth regulator control of fruit set and development in the highbush blueberry (*VACCINIUM CORYMBOSUM* L.). 2450
- Consistency of Rst values of six organophosphorus pesticides resolved by thin-layer chromatography in the presence of plant extracts without elaborate clean-up. 2453
- Simplified method of preparing column materials for gasliquid chromatographic separation of some pesticides. 2465
- CHROMATOPHORES**
Experimental investigation into the physiological change in color of Hirudinea. 2375
- CHROMOSOMES**
Viability, proportion between the sexes and of the X chromosomes of *Drosophila melanogaster*. 2074
- Studies on the genetic and environment regulation of xanthine dehydrogenase and its genetically related enzymes in *Drosophila melanogaster*. 2075
- Genetic and cytogenetic relationships among certain nearctic anophelines. 2083

SUBJECT INDEX

CHRYSANTHEMUM

- Relative fitness of a third chromosome inversion in *Drosophila melanogaster*. 2084
- The taxonomy, cytology and genetics of genus *Timarcha* (Col. Cris). I. Karyotype of *T. goettin-gensis* L. ssp. *catalaunensis* Fairm.. 2086
- Pericentric inversion polymorphism in *Trimerotropis helferi* (Orthoptera: Acrididae) and its effect on chiasma frequency. 2088
- Embryonic developmental mutations of the nullosomies and tetrasomies of the third chromosome of *Drosophila melanogaster*. 2089
- Autonomous pleiotropy in *Drosophila*. 2091
- Cytogenetics of the viatica group of morabine grasshoppers. I. The coastal species. 2095
- Karyotypes and nuclear size in the spermatogenesis of grasshoppers belonging to the subfamilies Gomphomastacinae, Chininae and Biroellinae (Orthoptera, Eumastacidae). 2096
- Biochemistry of friend virus-infected cells. I. Virionspecific RNA. 2292

CHRYSANTHEMUM

- On the incubation period of *Puccinia horiana*. 2197
- Air pollution damage to chrysanthemum foliage. 2387

CHRYSANTHEMUM MORIFOLIUM

- Wind dispersal of *Puccinia horiana*. 2196

CHRYSEMELIDAE

- The taxonomy, cytology and genetics of genus *Timarcha* (Col. Cris). I. Karyotype of *T. goettin-gensis* L. ssp. *catalaunensis* Fairm.. 2086

CHRYSOPE CARNEA

- An artificial diet for larvae and adults of *Chrysopa carnea*, an insect predator of crop pests. 2063
- Inundative releases of *Chrysopa carnea* for control of *Heliothis* on cotton. 2231

CHRYSOPS ATLANTICUS

- Population dynamics of the common horseflies and deerflies (Tabanidae: Diptera) breeding on a New Jersey salt marsh. 2037

CHRYSOPS FULIGINOSUS

- Population dynamics of the common horseflies and deerflies (Tabanidae: Diptera) breeding on a New Jersey salt marsh. 2037

CICADELLIDAE

- Aphids and leafhoppers found on red clover in eastern Washington. 2221

CICADIDAE

- Contribution to the fauna of Congo (Brazzaville). Mission of A. Villiers and A. Descarpentries. LIII. Homoptera Cicadidae. 1876

CIODRIN

- Notice of filing of petition regarding pesticide chemicals. 2393

CIRCOTETTIX

- Pericentric inversion polymorphism in *Trimerotropis helferi* (Orthoptera: Acrididae) and its effect on chiasma frequency. 2088

CITRUS

- An annotated list of hymenopterous parasites of citrus soft scales in Israel. 2041
- Chemical control of scab on citrus in Florida. 2136
- Effects of temperature on expression and transmission of stubborn disease of citrus. 2161

- The feeding behavior and biology of *Paraprone-matus acaciae* (Acarina: Tydeidae). 2225

- Aphid populations in relation to tristeza in Florida citrus. 2235

- Citrus-root nematode in Iran. 2246

- Some observations on the biological cycle of *Tylenchulus semipenetrans* Cobb, 1913 (Nematoda, Tylenchulidae). 2250

- Food additives permitted in feed and drinking water of animals or for the treatment of food-producing animals. Thiabendazole. 2409

CLAY MINERALS

- Adsorption of some pesticides on soils, clay minerals and humic acid. 2420

CLAY SOILS

- The effect of drainage on physiological disorders of rice grown on the sub-coastal plains of the Adelaide River, N.T. 2184

- Adsorption of some pesticides on soils, clay minerals and humic acid. 2420

CLIMATE

- The effect of climatic integrants on population fluctuations of the Columbian timber beetle *Corthylus columbianus* Hopkins (Coleoptera; Scolytidae). 2015

- Population dynamics and pathogenicity of three species of *Pratylenchus* on peach. 2244

- Carbohydrate reserves in mountain range plants with respect to phenological stage of development and artificial defoliation. 2446

CLOSTRIDIUM PERFRINGENS

- Enterotoxaemia: Deadly disease of sheep. 2290

COBALT ISOTOPES

- Selection methods for pathogenic forms of microorganisms. 1956

- Effects of whole-body irradiation on baby pigs (*Sus scrofa*). 2283

COCCIDIOSIS

- Coccidiosis in wild rabbits, *Oryctolagus cuniculus* (L.), at four sites in different climatic regions in eastern Australia. I. Relationship with the age of the rabbit. 2343

- The effect of dimethylalum on experimental chicken coccidiosis. 2377

COCCIDIOSTATS

- Interrelationship of antibiotics and coccidiostats on the growth of White Plymouth Rock chicks. 2311

COCCINELLIDAE

- Morphology of the head capsule and its appendages of *Stenothorus gilvifrons* Mulsant (Coleoptera: Coccinellidae). 2010

COCCUS HESPERIDUM

- An annotated list of hymenopterous parasites of citrus soft scales in Israel. 2041

COCHINEAL

- Listing of color additives for food use exempt from certification; listing of color additives for drug use exempt from certification. Cochineal extract. 2463

COCHLIOBOLUS CARBONUM

- The identification of genes for pathogenicity in *Cochliobolus carbonum*. 2160

COCHLIOMYIA HOMINIVORAX

- Sexual sterilization of screw-worm flies: Reliability of the chemosterilant technique. 1947

- Dispersal and local distribution of laboratory-reared sterile screw-worm flies released in winter. 1980

- Insecticidal drug containing lindane. Drugs for veterinary use; drug efficacy study implementation announcement. 2355

COFFEA ARABICA

- Studies on the brown-eye-spot disease (*Cercospora coffeicola* Berk. et Cke.) of coffee (*Coffea arabica* L.). V. Nutritional requirements of the pathogen. 2186

COFFEE

- Effect of soil systemic insecticides on flavor and residue in coffee. 2423

COLD

- Dispersal and local distribution of laboratory-reared sterile screw-worm flies released in winter. 1980

- Experimental *Pasteurella multocida* infection in chickens exposed to cold: Biochemical and bacteriological investigations. 2301

COLEOPTERA

- On the distribution of Coleoptera in the Tvarminne archipelago. 1912

- The distribution of radioactive strontium, cesium and iodine in the bodies of some insects. 1937

- The control of some species of pest insects by *Bacillus thuringiensis*. 1953

- On the spiracles of the larvae of the suborder Myxophaga (Coleoptera). 1981

- Teratology of the beetle *Tenebrio molitor*. III. Ultrastructural alterations in the flight musculature of the pupal-winged adult. 2090

COLLAGEN

- Collagenolytic activity of snake and spider venoms. 2435

COLLEMBOLA

- A new Anurophorinid genus from northeast Brazil (Ins., Collembola). 1884

- On the soil fauna of meadow and alfalfa stocked fields of different locations with special consideration of the Oribatids. 2045

- The ecology of *Sminthurus viridis* (Collembola). II. Diapause in the aestivating egg. 2066

- The ecology of *Sminthurus viridis* (L.) (Collembola). I. Processes influencing numbers in pastures in Western Australia. 2067

COLOR

- The color change of *Poecilimon ornatus* Schmidt in the post-embryonic development. (Orthoptera-Tettigoniidae). 2017

- Automated sexing of pupae and its usefulness in control by sterile insects. 2097

- Researches concerning the toxoplasmosis identification and the toxoplasmic abortion in the ovic cattle of Banat. 2294

- Fatty tissue hiopsy in pigs. 2299

- Listing of color additives for food use exempt from certification; listing of color additives for

- drug use exempt from certification. Cochineal extract. 2463
- COLORIMETRY**
Carbohydrate reserves in mountain range plants with respect to phenological stage of development and artificial defoliation. 2446
- COMMUNICATIONS**
A comparative study of communication in grasshoppers. 2023
- COMPETITION**
The comparative ecology of two closely related, sympatric species of *Dacus* (Diptera) in Queensland. 1969
- CONFERENCES**
Report of third work conference on the use of nucleopolyhedrosis virus for control of *Heliothis* species. 1934
- CONIDIA**
The longevity of conidia of *Sclerotinia fructicola* (Wint.) Rehm under field conditions. 2140
Ontogeny of vessels influence the development of *Verticillium* in young cotton plants. 2166
Morphology, pathogenicity, and cultural characteristics of single conidium isolates of *Alternaria longipes*. 2180
Survival of root-infecting fungi in soil. X. Sensitivity of propagules of *Thielaviopsis basicola* to soil fungistasis in natural and alfalfa-amended soil. 2444
- CONIFERAE**
Phytophthora cinnamomi Rands on conifers in New South Wales. 2121
- CONJUNCTIVITIS**
Cytology of pink-eye of sheep, including a reference to trachoma of man, by employing acridine orange and iodine stains, and isolation of *Mycoplasma* agents from infected sheep eyes. 2344
- CONTAINERS**
Modified container for study of photoperiodism. 1857
- COPPER**
Contribution to the application method for fungicides to control potato blight. 2128
- CORN**
Behavioral and physiological aspects of mating and oviposition by the adult western corn rootworm, *Diabrotica virgifera* LeConte. 1936
Free amino acid contents in corn infected with maize dwarf mosaic virus and sugarcane mosaic virus. 2137
Grain yield of corn reduced by maize dwarf mosaic virus infection. 2141
Plot techniques with maize dwarf mosaic virus: II. Greenhouse studies. 2150
Gene dosage effects on monogenic chlorotic lesion resistance to northern corn leaf blight. 2158
Ear removal and cell death rate in corn stalk tissue. 2163
Interaction of maize dwarf mosaic virus strains and sugarcane mosaic virus H in corn. 2190
Plot techniques with maize dwarf mosaic virus: I. Field studies, 1966. 2192
- Greenhouse studies of host plant suitability to *Graminella nigrifrons*, a vector of corn stunt virus. 2206
Consideration of the problems raised by the recent cecidomyiid attack on corn flowers. 2213
Transmission of maize dwarf mosaic by the greenbug, *Schizaphis graminum*. 2214
Feeding stimulants from plants for larvae of the tobacco budworm and bollworm. 2216
Insecticidal control of the sugarcane borer in corn. 2229
Notice of filing of petition regarding pesticide chemicals. 2395
Crop response to applied zinc in ammoniated phosphate fertilizers. 2455
- CORN BORERS**
Scientists attack corn borer. 2202
- CORN EAR**
Ear removal and cell death rate in corn stalk tissue. 2163
- CORPORA ALLATA**
Studies on the morphology of *Lethocerus indicum* Lep. and Serv. (Hemiptera-Heteroptera-Cryptocerata-Belostomatidae). Part V. The morphology of the stomodeal nervous system with special reference to the histology of the corpora cardiaca and allata. 1929
Demonstration of the synthesis of a yolk protein under the influence of the corpora allata in *Leucophaea maderae*. 2046
- CORPORA CARDIACA**
Studies on the morphology of *Lethocerus indicum* Lep. and Serv. (Hemiptera-Heteroptera-Cryptocerata-Belostomatidae). Part V. The morphology of the stomodeal nervous system with special reference to the histology of the corpora cardiaca and allata. 1929
- CORTHYLUS COLUMBIANUS**
The effect of climatic integrants on population fluctuations of the Columbian timber beetle *Corthylus columbianus* Hopkins (Coleoptera: Scolytidae). 2015
- CORYNEBACTERIUM MICHIGANENSE**
Chemical and biological properties of phytotoxic glycopeptides isolated from *Corynebacterium michiganense*. 2167
- COSTELYTRA ZEALANDICA**
Flight and ground collection records of *Costelytra zealandica* (White) at a site in Canterbury, New Zealand. 1996
Oviposition preference by *Costelytra zealandica* (White). II. 1997
Effect of attack by *Costelytra zealandica* (White) larvae on ryegrass varieties. 2218
- COTTON**
Influence of changes in the cotton plant during the season on the feeding, oviposition, and development of the boll weevil. 1923
A field test comparing resistant varieties plus applications of polyhedral virus with insecticides for control of *Heliothis* spp. and other pests of cotton, 1967. 1962
Population assessment of cotton bollworm in relation to pest control practices. 1974
- Principles of crowding effect in *Aphis gossypii* Glover (Aphididae, Homoptera). 1975
Effect of droplet size on persistence of ULV malathion and comparison of toxicity of ULV and EC malathion to tobacco budworm larvae. 2031
Bacteriophage reactions and pathogenic spectra of *Xanthomonas* species to cotton. 2135
Ontogeny of vessels influence the development of *Verticillium* in young cotton plants. 2166
Male boll weevils are more attractive than cotton plants to boll weevils. 2217
End of squaring as an economic indicator of approximate time to end insecticidal treatments for boll weevil control. 2227
Damage by the strawberry spider mite to cotton when infestations commenced at the beginning, middle, and end of the flowering period. 2228
Inundative releases of *Chrysopa carnea* for control of *Heliothis* on cotton. 2231
Response of cotton plant to certain combinations of fertilizers and *Metasystox*. 2447
- COTTONSEED**
Feeding stimulants from plants for larvae of the tobacco budworm and bollworm. 2216
Notice of filing of petitions regarding pesticide chemicals and food additives. 2396
Notice of filing of petition regarding pesticide chemicals. 2410
Notice of filing of petition regarding pesticide chemicals. 2413
- COUMAPHOS**
Observations on the use of Antrycide Prosalt and the resistance of cattle to Trypanosomiasis. 2285
Eradication efforts against tropical bont tick, *Amblyomma variegatum* in the Virgin Islands. 2354
- COXIELLA BURNETHII**
Serological survey on the Rickettsioses in dromedary in Chad. 2319
- CREOSOTE**
Annosus root-rot in slash pine plantations four years after thinning and stump treatments. 2138
- CRICONEMOIDES**
Reduction in mortality of peach trees following preplant soil fumigation. 2103
- CROESIA SEMIPURPURANA**
An oak leaf tier, *Croesia semipurpurana* (Kft.) (Lepidoptera: Tortricidae) in the region of Quebec. 2212
- CRONARTIUM COMANDRAE**
Comandra rust damage to ponderosa pine in Oregon and Washington. 2104
- CROP ROTATION**
Nebraska root-gall nematode of sugar beets. 2253
- CROP VARIETIES**
Influence of changes in the cotton plant during the season on the feeding, oviposition, and development of the boll weevil. 1923
A field test comparing resistant varieties plus applications of polyhedral virus with insecticides for control of *Heliothis* spp. and other pests of cotton, 1967. 1962

SUBJECT INDEX

CROP YIELDS

- Resistance to brown stem rot in soybeans. 2102
- Bacteriophage reactions and pathogenic spectra of *Xanthomonas* species to cotton. 2135
- Grain yield of corn reduced by maize dwarf mosaic virus infection. 2141
- Virulence of various groups of loose smut of barley (*Ustilago nuda* (Jens.) Rostri) physiological races in the light of anatomical investigations of barley varieties different with regard to resistance. 2. The effect of infection upon anatomical features of plants. 2145
- Genetic and cytogenetic studies of stem rust, leaf rust, and powdery mildew resistances in Hope and related wheat cultivars. 2151
- Cytogenetic studies on the resistance of *Hordeum sativum* Jess. mutants, valticky variety, to some fungus diseases. 2170
- Cucurbit virus studies in Hawaii. 2172
- Resistance mechanisms against onion pink root (*Pyrenochaeta terrestris*), bioassay of inoculum potential in soil and chemical control. 2174
- Additional sources of tolerance to oat crown rust. 2176
- The rapid development and spread of strain B downy mildew of lima beans. 2198
- Influence of the proliferation virus upon the quality and quantity of apple fruits. 2199
- A boll weevil oviposition suppression factor in cotton. 2208
- A technique for evaluating varietal resistance of castor to castor jassid (*Empoasca flavescens* Fabricius). 2232
- Host suitability of a number of plants for the nematode *Tylenchorynchus dubius*. 2251
- Air pollution damage to chrysanthemum foliage. 2387

CROP YIELDS

- Diseases of sugarbeet in Arizona. 2112
- Grain yield of corn reduced by maize dwarf mosaic virus infection. 2141
- Additional sources of tolerance to oat crown rust. 2176
- Downy mildew of sorghum in Georgia. 2182
- Influence of the proliferation virus upon the quality and quantity of apple fruits. 2199
- Consideration of the problems raised by the recent cecidomyiid attack on corn flowers. 2213
- Systemic pesticides for control of sting and stubby-root nematodes on vegetables. 2239
- Control of weeds in wheat crop by 2,4-D. 2260
- Effects of lindane and carbaryl on insects, soil and plant nitrogen, and grain yield of rice. 2445
- Effect of 2,4-D and urea sprays on yield and fruit quality of Balady oranges. 2462

CROPS

- A note on the outbreak of the Bombay locust, *Patanga succincta*, Cyrtacanthacrinae, Acrididae, in the Laccadive Islands during 1967. 1939

- Certain minor crop pests hitherto unrecorded from the Gujarat state. 2025
- An artificial diet for larvae and adults of *Chrysopa carnea*, an insect predator of crop pests. 2063
- Potato tuber eelworm. 2249

CROWN GALLS

- Crown gall tumors in various species and hybrids of *Kalanchoideae*. 2122
- Kinetin-like substances produced by plant tumors. 2125

CROWN ROT

- Phytophthora crown and root rot of hops in California. 2181

CROWN RUST

- Inheritance of crown rust resistance in *Avena sterilis*. 2108
- Additional sources of tolerance to oat crown rust. 2176

CRUCIFERAE

- Host suitability of a number of plants for the nematode *Tylenchorynchus dubius*. 2251

CRYOLITE

- Biotic factors involved in crucifer aphid outbreaks following insecticide application. 2039

CUCUMBERS

- Effect of 2,4-dichlorophenoxyacetic acid on tobacco mosaic virus infection. 2127
- Epidemiology of cucumber mosaic and other virus diseases of lettuce in Arizona. 2159
- Distribution of cucurbit viruses in Kansas. 2171

- Cucurbit virus studies in Hawaii. 2172

CUCURBITA

- Cucurbit virus studies in Hawaii. 2172

CULEX PIPIENS QUINQUEFASCIATUS

- Aliphatic amines against insecticide-susceptible and resistant strains of *Culex pipiens quinquefasciatus* and *Anopheles albimanus*. 1968

CULICIDAE

- Transmission of a mosquito iridescent virus in *Aedes taeniorhynchus*. I. Laboratory experiments. 2003
- Transmission of a mosquito iridescent virus in *Aedes taeniorhynchus*. II. Experiments related to transmission in nature. 2004
- Histopathology of the developing reproductive system of *Aedes stimulans* (Walker) (Diptera: Culicidae) under thermal stress. 2026
- Organogenesis of the female reproductive system of an aedine mosquito. 2038

CULTURAL CONTROL (INSECTS)

- Consideration of the problems raised by the recent cecidomyiid attack on corn flowers. 2213

CULTURE MEDIA

- Bacteriophage labeling of *Pseudomonas syringae*. 2134
- The coat protein gene of tobacco mosaic virus. I. Location of the gene by mixed infection. 2142
- Nodulation of *Medicago sativa* in solution culture. III. Effects of nitrate on root hairs and infection. 2157

- Morphology, pathogenicity, and cultural characteristics of single conidium isolates of *Alternaria longipes*. 2180

- Salmonella infection in calves and other animals. II. Comparison of selective media. 2325

- Cholinesterase inhibition in the acute toxicity of alkylsubstituted 2-aminoethanols. 2432

- Survival of root-infecting fungi in soil. X. Sensitivity of propagules of *Thielaviopsis basicola* to soil fungistasis in natural and alfalfa-amended soil. 2444

- On the sensitiveness of several wood-decaying fungi to gaseous sterilization with propylene oxide. 2449

- Effect of trifluralin on growth of *Sclerotium rolfsii* in liquid culture and soil. 2459

CUTICLE

- The fine structure of the cuticle. A contribution to the question of the protection against its own poison of the Madeira roach. 1971

- On the fine structure of insect cuticle. A contribution to the question of the characteristic protection against toxins of the Hemiptera cuticle. 1972

CYCLODIENE

- Epoxidation of aldrin by plant materials. 2457

CYCLOHEXIMIDE

- Kinetics of viral deoxyribonucleic acid, protein, and infectious particle production and alterations in host macromolecular syntheses in equine abortion (Herpes) virus-infected cells. 2327

CYNIPIDAE

- Some species of *Pediobius* Walker (Hymenoptera, Eulophidae) inhabiting cynipid oak galls. 1864

CYTISUS SCOPARIUS

- Apion seed weevil introduced for biological control of Scotch broom. 2254

CYTOGENETICS

- Genetic and cytogenetic relationships among certain nearctic anophelines. 2083

- The taxonomy, cytology and genetics of genus *Timarcha* (Col. Cris). I. Karyotype of *T. goettinensis* L. ssp. *catalaunensis* Fairm.. 2086

- Cytogenetics of the viatica group of morabine grasshoppers. I. The coastal species. 2095

- Karyotypes and nuclear size in the spermatogenesis of grasshoppers belonging to the subfamilies Gomphomastacinae, Chininae and Biroellinae (Orthoptera, Eumastacidae) 2096

- Genetic and cytogenetic studies of stem rust, leaf rust, and powdery mildew resistances in Hope and related wheat cultivars. 2151

- Cytogenetic studies on the resistance of *Hordeum sativum* Jess. mutants, valticky variety, to some fungus diseases. 2170

CYTOLOGY

- Cytology of pink-eye of sheep, including a reference to trachoma of man, by employing acridine orange and iodine stains, and isolation of *Mycoplasma* agents from infected sheep eyes. 2344

D, 2,4-

- Effect of 2,4-dichlorophenoxyacetic acid on tobacco mosaic virus infection. 2127
- Control of weeds in wheat crop by 2,4-D. 2260

SUBJECT INDEX

DIAGNOSIS

- Effect of 2,4-D and urea sprays on yield and fruit quality of Balady oranges. 2462
- DACUS NEOHUMERALIS**
The comparative ecology of two closely related, sympatric species of *Dacus* (Diptera) in Queensland. 1969
- DACUS OLEAE**
Hints on the permanent rearing of *Dacus oleae* Gmelin (Diptera, Tetracampidae) in the laboratory. 1938
Control tests against *Dacus oleae* Gmel. in the coastal region of Tuscany during 1965. 1960
- DACUS TRYONI**
Adaptations to temperature in geographic races of the Queensland fruit fly *Dacus tryoni* (Strumeta) tryoni. 1926
The comparative ecology of two closely related, sympatric species of *Dacus* (Diptera) in Queensland. 1969
The ecology of a natural population of the Queensland fruit fly, *Dacus tryoni*. I. The parameters of the pupal and adult populations during a single season. 2205
- DAIRY CATTLE**
Mechanism of the ring forming in the ABR test. 2274
Mechanism of the sediment forming in the agglutination test performed with *Brucella abortus* suspension. 2275
Metabolic studies with O,O-diethyl O-(3,5,6-trichloro-2-pyridyl) phosphorothioate (dursban) insecticide in a lactating cow. 2296
Mastitis: Its causes and cure. 2328
Mycoplasma infection in a Wisconsin dairy herd. 2333
- DALAPON**
Progress report on Johnsongrass control in orchards. 2256
Notice of withdrawal of petition regarding pesticides. 2394
- DATURA STRAMONIUM**
An incidence of the effect of glycine on the virulence of a strain of *Agrobacterium tumefaciens* (Smith and Town) Conn. 2149
- DDT**
Linkage studies of aldrin resistance in *Blattella germanica* (L.). 2011
DDT resistance in barley, *Hordeum vulgare* L. Induced mutants for resistance. 2114
Chemical control of mango hoppers (*Idiocerus* spp.). 2211
Effects of DDT on brain electrical activity in awake, unrestrained rats. 2352
Removal of DDT, malathion, and carbaryl from tomatoes by commercial and home preparative methods. 2398
Degradation of DDT in Atlantic salmon (*Salmo salar*). 2400
The effect of even or uneven applications of DDT prills to pasture on DDT residues in stock. 2402
Behavior of DDT in potatoes during commercial and home preparation. 2418
Adsorption of some pesticides on soils, clay minerals and humic acid. 2420
- Effect of DDT or parathion on condition avoidance response of offspring from DDT or parathion treated mothers. (abstract). 2427
The early effects of low DDT doses on the nervous system in animal experiments. 2428
The effect of DDT in the diet on the resting and loading electrocorticogram record. 2430
- DECOMPOSITION**
Degradation of monosodium methanearsonic acid by soil microorganisms. 2461
- DEFICIENCY DISEASES**
Citrus-root nematode in Iran. 2246
- DEFOLIANTS**
Notice of filing of petition regarding pesticide chemicals. 2410
- DEFOLIATION**
Carbohydrate reserves in mountain range plants with respect to phenological stage of development and artificial defoliation. 2446
- DEGENERATION**
Teratology of the beetle *Tenebrio molitor*. III. Ultrastructural alterations in the flight musculature of the pupal-winged adult. 2090
- DEGRADATION**
Action of nicotine on neural transmission in the American cockroach (*Periplaneta americana* (L.)). 1963
Degradation of DDT in Atlantic salmon (*Salmo salar*). 2400
- DEMOGRAPHY**
Temporal distribution of *Tribolium castaneum* Herbst and *Cadra cautella* Walker on temperature gradients. 1917
The comparative ecology of two closely related, sympatric species of *Dacus* (Diptera) in Queensland. 1969
Aggregation of German cockroach (*Blattella germanica*) nymphs. 1988
The ecology of *Sminthurus viridis* (L.) (Collembola). I. Processes influencing numbers in pastures in Western Australia. 2067
The ecology of a natural population of the Queensland fruit fly, *Dacus tryoni*. I. The parameters of the pupal and adult populations during a single season. 2205
Effect of attack by *Costelytra zealandica* (White) larvae on ryegrass varieties. 2218
Studies of the ecology of the cabbage aphid (*Brevicoryne brassicae* (L.)) on brassica field crops in Canterbury, New Zealand. II. Population study, 1959-60. 2219
Population dynamics and pathogenicity of three species of *Pratylenchus* on peach. 2244
- DENDROCTONUS BREVICOMIS**
Isolation of the population aggregating pheromone of the southern pine beetle. 2033
- DENDROCTONUS FRONTALIS**
Studies on the attack behavior of the southern pine beetle. II. Response to attractive host material. 1943
Studies on the attack behavior of the southern pine beetle. III. Sequence of tree infestation within stands. 1966
- Isolation of the population aggregating pheromone of the southern pine beetle. 2033
Studies on the attack behavior of the southern pine beetle. IV. Influence of host condition on aggregation pattern. 2064
Insect and host factors in the aggregation of the southern pine beetle. 2065
- DENDROCTONUS PSEUDOTSUGAE**
Isolation of the population aggregating pheromone of the southern pine beetle. 2033
- DENDROLIMUS PINI**
On the mechanism involved in perception of light stimuli during the photoperiodic reaction in Lepidoptera caterpillars. (TT 61-23975). 1967
- DENSITY**
Studies on the attack behavior of the southern pine beetle. II. Response to attractive host material. 1943
Studies on the attack behavior of the southern pine beetle. III. Sequence of tree infestation within stands. 1966
- DEOXYRIBONUCLEIC ACID**
Observations on the histo-morphology of the labial glands in *Neodiprion sertifer* Geoffroy (Hymenoptera Diprionidae). 1961
Influence of aging on the rate of incorporation of tritiated thymidine in the nurse cells of *Drosophila melanogaster*. 2068
Kinetics of viral deoxyribonucleic acid, protein, and infectious particle production and alterations in host macromolecular syntheses in equine abortion (Herpes) virus-infected cells. 2327
- DERMACENTOR ALBIPICUS**
Biology and colonization of the winter tick in the laboratory. 1952
- DERMESTIDAE**
An old find of *Entomotrogus megatomoides* Rtt. (Coleoptera, Dermestidae) from Finland. 1913
- DEVELOPMENT**
Variations of nucleic acid content in the salivary glands of *Drosophila hydei* during late larval development. 1949
On the hormonal control of ovarian development in the female larva of the heterogonid gall gnat *Heteropeza pygmaea* Winnertz 1846 (Diptera, Cecidomyiidae). 2030
Embryonic developmental mutations of the nullosomes and tetrasomes of the third chromosome of *Drosophila melanogaster*. 2089
Hymenoptera and nematodes as parasites of *Tachyporus* species (Col.; Staphylinidae) with special consideration of *Centistes lucidator* (Nees) (Hym.; Braconidae). 2223
Biochemical analysis of aphid saliva and its importance in gall development. 2233
- DEW**
Effects of simulated rain and dew on the toxicity of certain ultra-low-volume insecticidal spray formulations. 2020
- DIABROTICA VIRGIFERA**
Behavioral and physiological aspects of mating and oviposition by the adult western corn root-worm, *Diabrotica virgifera* LeConte. 1936
- DIAGNOSIS**
Fruit rot of papaya (*Carica papaya* L.) caused by *Macrophomina phaseoli* (Maubl.) Ashby. 2143

SUBJECT INDEX

DIAPAUSE

- Dutch elm disease found in Idaho. 2164
- Enterotoxaemia: Deadly disease of sheep. 2290
- Lymphocytic thyroiditis in the dog. 2320
- Mastitis: Its causes and cure. 2328
- Pathologic responses of the mature and developing nervous system to bluetongue virus. 2336
- Hemangiosarcoma in a dog. 2342

DIAPAUSE

- Consideration of the problems raised by the recent cecidomyiid attack on corn flowers. 2213

DIARRHEA

- Equine protozoan diarrhea (equine intestinal Trichomoniasis) at Trinidad racetracks. 2278
- Loss of serum proteins via the intestinal tract in calves with infectious diarrhea. 2317

DIATRAEA SACCHARALIS

- Insecticidal control of the sugarcane borer in corn. 2229

DIAZINON

- A laboratory comparison of the effects of some insecticides on the Argentine stem weevil (*Hyperodes bonariensis* Kuschel) (Coleoptera: Curculionidae). 2207
- Procedure for semi-quantitative confirmation of some organophosphorus pesticide residues in plant extracts. 2426
- Consistency of *R*_{st} values of six organophosphorus pesticides resolved by thin-layer chromatography in the presence of plant extracts without elaborate clean-up. 2453

DIBROMO-3-CHLOROPROPANE, 1,2-

- Reduction in mortality of peach trees following preplant soil fumigation. 2103

DICHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE, 1,1-

- Degradation of DDT in Atlantic salmon (*Salmo salar*). 2400
- Behavior of DDT in potatoes during commercial and home preparation. 2418

DICHLOROPHENE

- Vermex poultry tablets and vermex powder. Drugs for veterinary use - drug efficacy study implementation. 2372

DICHLOROPHENYL P-NITROPHENYL ETHER, 2,4-

- Notice of filing of petition regarding pesticide chemicals. 2411

DICHLORVOS

- Effect on honey bees of dichlorvos and bromophos applied as sprays to white clover (*Trifolium repens* L.). 2440

DIEBACK

- Line pattern disease of raspberry. 2118
- Dutch elm disease found in Idaho. 2164
- Dutch elm disease detected in Mississippi. 2195

DIELDRIN

- Notice of filing of petition regarding pesticide chemicals. 2392
- Use of carbon to reduce uptake of insecticidal soil residues by crop plants. Effects of carbon on insecticide adsorption and toxicity in soils. 2419

DIET

- Influence of changes in the cotton plant during the season on the feeding, oviposition, and development of the boll weevil. 1923
- Influence of moisture content of bovine feces on oviposition and development of the face fly. 1927
- Performance of the English grain aphid on sterilized and unsterilized artificial diet. 2059
- An artificial diet for larvae and adults of *Chrysopa carnea*, an insect predator of crop pests. 2063
- Pulmonary diseases of pig in Madagascar. 2335
- The effect of DDT in the diet on the resting and loading electrocorticogram record. 2430
- Toxicity of fentin hydroxide to rats. 2431

DIETHYL 03,5,6-TRICHLORO-2-PYRIDYL PHOSPHOROTHIOATE, 0,0-

- Metabolic studies with O,O-diethyl O-(3,5,6-trichloro-2-pyridyl) phosphorothioate (dursban) insecticide in a lactating cow. 2296

DIETHYLCARBAMAZINE

- Notice of filing of petition for food additives diethylcarbamazine, styrylpyridinium chloride. 2362

DIETHYLSTILBESTROL

- Effects of estrogens on aortic connective tissue of turkeys. 2269
- Notice of opportunity for hearing regarding medicated animal feeds. 2270
- Control of rabies in wildlife in New York. 2329

DIHYDROTACHYSTEROL

- Parterol, Drugs for veterinary use; drug efficacy study implementation. 2304

DIMBOA

- Scientists attack corn borer. 2202

DIMETHOATE

- Control tests against *Dacus oleae* Gmel. in the coastal region of Tuscany during 1965. 1960

DIMETHYLIUM

- The effect of dimethylalium on experimental chicken coccidiosis. 2377

DIMETHYL PHOSPHATE

- Notice of filing of petition regarding pesticide chemicals. 2393

DIMETHYL SULFOXIDE

- Effect of dimethyl sulfoxide on tobacco mosaic. 2165

DIPHENAMID

- Several factors affecting adsorption of atrazine and diphenamid by soils. 2386
- Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Diphenamid. 2415

DIPLODIA ZEAE

- Ear removal and cell death rate in corn stalk tissue. 2163

DIPPING

- Eradication efforts against tropical bont tick, *Amblyomma variegatum* in the Virgin Islands. 2354

DIPRIONIDAE

- Observations on the histo-morphology of the labial glands in *Neodiprion sertifer* Geoffroy (Hymenoptera Diprionidae). 1961

DIPTERA

- Glossina palpalis gambiensis* Vanderplank 1949 (Diptera in the Niayes and 1899
- Population dynamics of the common horseflies and deerflies (Tabanidae: Diptera) breeding on a New Jersey salt marsh. 2037
- The use of imaginal disks for the determination of the developmental stage of larvae of *Chironomus* (Dipt.). 2071

DIROFILARIA IMMITIS

- Dizan powder and tablets. Drugs for veterinary use; drug efficacy study implementation announcement. 2367
- Caparsolate sodium. Drugs for veterinary use - drug efficacy study implementation. 2369

DISEASE CONTROL

- Equine protozoan diarrhea (equine intestinal Trichomoniasis) at Trinidad racetracks. 2278
- Control of rabies in wildlife in New York. 2329

DISEASE TRANSMISSION

- Specificity of insect viruses. 1987
- Transmission of a mosquito iridescent virus in *Aedes taeniorhynchus*. I. Laboratory experiments. 2003
- Transmission of a mosquito iridescent virus in *Aedes taeniorhynchus*. II. Experiments related to transmission in nature. 2004
- Transmission of equine sarcoid. 2348

DISOPHENOL

- D.N.P. disophenol. Drugs for veterinary use - drug efficacy study implementation. 2370

DISULFOTON

- Effect of soil systemic insecticides on flavor and residue in coffee. 2423
- Procedure for semi-quantitative confirmation of some organophosphorus pesticide residues in plant extracts. 2426

DITHIAZANINE IODIDE

- Dizan powder and tablets. Drugs for veterinary use; drug efficacy study implementation announcement. 2367

DITYLENCHUS DESTRUCTOR

- Potato tuber eelworm. 2249

DIURNAL RHYTHM

- Environmental factors regulating the diurnal vertical migration of *Chaoborus* larvae. 2000

DOGS

- The gross and microscopic changes in sublethal staphylococcal alpha-toxin pancreatitis in dogs. 2276
- Eczema and liver disease in dogs (hepatodermal syndrome). 2287
- Embryologic development of an anomaly of ocular fundus in the Collie dog. 2312
- Lymphocytic thyroiditis in the dog. 2320
- Hemangiosarcoma in a dog. 2342
- Notice of filing of petition for food additives diethylcarbamazine, styrylpyridinium chloride. 2362
- AH-NBC capsules. Drugs for veterinary use; drug efficacy study implementation. 2365

- Dizan powder and tablets. Drugs for veterinary use; drug efficacy study implementation announcement. 2367
- Caparsolate sodium. Drugs for veterinary use - drug efficacy study implementation. 2369
- D.N.P. disphenol. Drugs for veterinary use - drug efficacy study implementation. 2370
- Vermiplex capsules. Drugs for veterinary use - drug efficacy study implementation. 2371
- DOLICHOPODIDAE**
- As yet unknown Dolichopodidae (Dipt.) for the Bulgarian fauna. 1870
- DOSAGE**
- Control tests against *Dacus oleae* Gmel. in the coastal region of Tuscany during 1965. 1960
- A comparison and evaluation of residual, oral and topical treatments of tepa, tris (1-aziridinyl) phosphine oxide, used to sterilize German cockroaches *Blattella germanica* (Linnaeus). 1965
- Laboratory evaluation of several new insecticides for control of the pale western cutworm. 2012
- Effects of apholate on the alfalfa weevil. 2053
- Viability, proportion between the sexes and of the X chromosomes of *Drosophila melanogaster*. 2074
- Effect of 2,4-dichlorophenoxyacetic acid on tobacco mosaic virus infection. 2127
- Gene dosage effects on monogenic chlorotic lesion resistance to northern corn leaf blight. 2158
- Chemical control of mango hoppers (*Idiocerus* spp.). 2211
- Fumigation of food grains in India with hydrogen phosphide. I. Tests in concrete bins. 2230
- Effects of whole-body irradiation on baby pigs (*Sus scrofa*). 2283
- Progesterone-estradiol benzoate (hormonal implant). Drugs for veterinary use; drug efficacy study implementation. 2305
- Testosterone propionate-estradiol benzoate (hormonal implant). Drugs for veterinary use; drug efficacy study implementation. 2306
- F.S.H.-P. (follicle stimulating hormone-pituitary). Drugs for veterinary use - drug efficacy study implementation announcement. 2313
- Experiments for liquidating abortions in ewes on sheep farms with abortions. 2330
- Effects of DDT on brain electrical activity in awake, unrestrained rats. 2352
- Insecticidal drug containing lindane. Drugs for veterinary use; drug efficacy study implementation announcement. 2355
- Hygromix (hygromycin B). Drugs for veterinary use; drug efficacy study implementation. 2364
- AH-NBC capsules. Drugs for veterinary use; drug efficacy study implementation. 2365
- Dizan powder and tablets. Drugs for veterinary use; drug efficacy study implementation announcement. 2367
- The effect of DDT in the diet on the resting and loading electrocorticogram record. 2430
- Toxicity of fentin hydroxide to rats. 2431
- Cholinesterase inhibition in the acute toxicity of alkylsubstituted 2-aminoethanols. 2432
- Critical study of a new device for gibberellin dosage by the elongation of the oat stem. 2454
- An accurate and safe hand-operated, vehicle-mounted applicator for granular insecticides in seed orchards. 2469
- DOWNY MILDEW**
- Downy mildew of sorghum in Georgia. 2182
- The rapid development and spread of strain B downy mildew of lima beans. 2198
- DPA**
- Selective herbicides control weeds in lucerne at Cowra. 2262
- DRAINAGE**
- The effect of drainage on physiological disorders of rice grown on the sub-coastal plains of the Adelaide River, N.T. 2184
- DROSOPHILA**
- Sex and selection for a quantitative character in *Drosophila*. II. The sex dimorphism. 2077
- 5-aminoacridine induced crossing over in the *Drosophila* male. 2082
- DROSOPHILA HYDEI**
- Variations of nucleic acid content in the salivary glands of *Drosophila hydei* during late larval development. 1949
- DROSOPHILA MELANOGASTER**
- Separation of the free ninhydrin-positive fractions in *Phormia* and *Drosophila* using two-dimensional high voltage electrophoresis. 1940
- Developmental performance of embryonic blastemas of *Drosophila* after culture in the adult host. 1977
- The effect of nucleases and nucleic acid synthesis inhibitors on sigma virus multiplication in *Drosophila melanogaster*. 1979
- Influence of aging on the rate of incorporation of tritiated thymidine in the nurse cells of *Drosophila melanogaster*. 2068
- Viability, proportion between the sexes and of the X chromosomes of *Drosophila melanogaster*. 2074
- Studies on the genetic and environment regulation of xanthine dehydrogenase and its genetically related enzymes in *Drosophila melanogaster*. 2075
- Sex and selection for a quantitative character in *Drosophila*. I. Single-sex selection. 2076
- Aspects of RNA and protein synthesis in imaginal discs of *Drosophila melanogaster*. 2078
- The influence of the genotype on cell affinities in combinations of imago organisms of *Drosophila melanogaster*. 2079
- Genetic heterogeneity among the founders of laboratory populations of *Drosophila melanogaster*. II. Mating behaviour. 2081
- Relative fitness of a third chromosome inversion in *Drosophila melanogaster*. 2084
- Genetic heterogeneity among the founders of laboratory populations of *Drosophila melanogaster*. III. Sternopleural chaetae. 2085
- Effectiveness of regular cycles of intermittent artificial selection for a quantitative character in *Drosophila melanogaster*. 2087
- Embryonic developmental mutations of the nullosomes and tetrasomes of the third chromosome of *Drosophila melanogaster*. 2089
- Autonomous pleiotropy in *Drosophila*. 2091
- Use of carbon to reduce uptake of insecticidal soil residues by crop plants. Effects of carbon on insecticide adsorption and toxicity in soils. 2419
- DRUG THERAPY**
- Notice of opportunity for hearing regarding medicated animal feeds. 2270
- Equine protozoan diarrhea (equine intestinal Trichomoniasis) at Trinidad racetracks. 2278
- Observations on the use of Antrycide Prosalt and the resistance of cattle to Trypanosomiasis. 2285
- Progesterone-estradiol benzoate (hormonal implant). Drugs for veterinary use; drug efficacy study implementation. 2305
- Testosterone propionate-estradiol benzoate (hormonal implant). Drugs for veterinary use; drug efficacy study implementation. 2306
- Establishment and treatment of cutaneous *Candida albicans* infection in the rabbit. 2316
- Mastitis: Its causes and cure. 2328
- Experiments for liquidating abortions in ewes on sheep farms with abortions. 2330
- Effect of thiabendazole on *Pithomyces chartarum* (Berk. Curt.) M. B. Ellis. 2340
- Notice of filing of petition for food additives diethylcarbamazine, styrylpyridinium chloride. 2362
- Hygromix (hygromycin B). Drugs for veterinary use; drug efficacy study implementation. 2364
- The effect of dimethylalum on experimental chicken coccidiosis. 2377
- The effect of DDT in the diet on the resting and loading electrocorticogram record. 2430
- DRUGS**
- Food additives permitted in the feed and drinking water of animals or for the treatment of food-producing animals. Zoalene, 3-nitro-4-hydroxyphenylarsonic acid. 2268
- Notice of opportunity for hearing regarding medicated animal feeds. 2270
- P.L.A. (pituitary luteinizing hormone). Drugs for veterinary use - drug efficacy study implementation. 2271
- Parterol. Drugs for veterinary use; drug efficacy study implementation. 2304
- F.S.H.-P. (follicle stimulating hormone-pituitary). Drugs for veterinary use - drug efficacy study implementation announcement. 2313
- Dr. Mayfield ML-23. Drugs for veterinary use - drug efficacy study implementation. 2314
- Tympanol. Drugs for veterinary use; drug efficacy study implementation. 2315
- Insecticidal drug containing lindane. Drugs for veterinary use; drug efficacy study implementation announcement. 2355

SUBJECT INDEX

DUSTING

- AH-NBC capsules. Drugs for veterinary use; drug efficacy study implementation. 2365
 Dr. Mayfield large roundworm tablets. Drugs for veterinary use; drug efficacy study implementation. 2366
 Dizan powder and tablets. Drugs for veterinary use; drug efficacy study implementation announcement. 2367
 Cadmium salts. Drugs for veterinary use - drug efficacy study implementation. 2368
 Caparsolate sodium. Drugs for veterinary use - drug efficacy study implementation. 2369
 D.N.P. disophenol. Drugs for veterinary use - drug efficacy study implementation. 2370
 Vermex poultry tablets and vermex powder. Drugs for veterinary use - drug efficacy study implementation. 2372
 Improved method for determination of sulfonamides in milk and tissues. 2425
 Listing of color additives for food use exempt from certification; listing of color additives for drug use exempt from certification. Cochineal extract. 2463

DUSTING

- Control of the northern fowl mite on laying hens with Shell SD-8447. 2358
 Comparative review of BHC dust and malathion emulsion as agents for disinfestation on the basis of past experience. 2379

DWARF MOSAIC

- Free amino acid contents in corn infected with maize dwarf mosaic virus and sugarcane mosaic virus. 2137
 Grain yield of corn reduced by maize dwarf mosaic virus infection. 2141
 Plot techniques with maize dwarf mosaic virus: II. Greenhouse studies. 2150
 Interaction of maize dwarf mosaic virus strains and sugarcane mosaic virus H in corn. 2190
 Plot techniques with maize dwarf mosaic virus: I. Field studies, 1966. 2192
 Transmission of maize dwarf mosaic by the greenhug, *Schizaphis graminum*. 2214

DYES

- Composition containing penicillin and dye indicator for treating udders. Patent 3,427,377. 2265
 Listing of color additives for food use exempt from certification; listing of color additives for drug use exempt from certification. Cochineal extract. 2463

ECOLOGY

- An ecological study of some soil nematodes associated with apple trees in a New Zealand grassed orchard. 2241

ECONOMICS

- Development and perspectives of biological control. 1976
 Sampling to detect economic infestations of *Limoniusspp.* 2022
 On the morphology and the bionomics of the insects of economic importance. II. Head appendages in *Alphitobius diaperinus* (Panz.) (Tenebrionidae, Coleoptera). 2043

- End of squaring as an economic indicator of approximate time to end insecticidal treatments for boll weevil control. 2227

- Control of weeds in wheat crop by 2,4-D. 2260

- Fatty tissue biopsy in pigs. 2299

- Research on diseases of poultry. 2331

ECTHYMA

- The pathogenesis of ovine Contagious Ecthyma. 2307

ECZEMA

- Eczema and liver disease in dogs (hepatodermal syndrome). 2287

EDEMA DISEASE

- Occurrence of a skin response to intracutaneous injection of adrenaline as a method to detect the effects of endotoxins in pig organism. 2349

EGGS

- Metabolism of blood proteins in hens during natural and artificial moulting. 2310
 Notice of filing of petition regarding pesticide chemicals. 2395

EIMERIA

- Coccidiosis in wild rabbits, *Oryctolagus cuniculus* (L.), at four sites in different climatic regions in eastern Australia. I. Relationship with the age of the rabbit. 2343

ELECTRODES

- Effects of DDT on brain electrical activity in awake, unrestrained rats. 2352
 The effect of DDT in the diet on the resting and loading electrocorticogram record. 2430

ELECTRON MICROSCOPY

- Cellular and extracellular activities implementing selective assimilation of yolk proteins by *Cecropia* oocytes. 1919
 First reports on the ultrastructure of the alimentary canal of a pseudoscorpion. 1921
 The structure of the spiracles of the cattle tick, *Boophilus microplus*. 1982
 Structure and ecdysial process of the larval spiracles of the Scarabaeoidea, with special reference to those of *Lepidoderma*. 1983

- Demonstration of the synthesis of a yolk protein under the influence of the corpora allata in *Leucophaea maderae*. 2046

- The coat protein gene of tobacco mosaic virus. I. Location of the gene by mixed infection. 2142

- Chemical and biological properties of phytotoxic glycopeptides isolated from *Corynebacterium michiganense*. 2167

- Electron microscopic observations on the causal agent of the Brazilian tomato ring spot disease. 2175

- The pathogenesis of ovine Contagious Ecthyma. 2307

- Kinetics of viral deoxyribonucleic acid, protein, and infectious particle production and alterations in host macromolecular syntheses in equine abortion (Herpes) virus-infected cells. 2327

- Antigen conversion in *Salmonella*. XI. Conversion in the N(O:30) group. 2437

ELECTROPHORESIS

- Separation of the free ninhydrin-positive fractions in *Phormia* and *Drosophila* using two-dimensional high voltage electrophoresis. 1940

- Developmental changes in the late larva of *Caliphora stygia*. I. Haemolymph. 1998

- Demonstration of the synthesis of a yolk protein under the influence of the corpora allata in *Leucophaea maderae*. 2046

- The coat protein gene of tobacco mosaic virus. I. Location of the gene by mixed infection. 2142

- Loss of serum proteins via the intestinal tract in calves with infectious diarrhea. 2317

ELECTROPHYSIOLOGY

- Neural adaptations in the visual pathway of certain heliconine butterflies, and related forms, to variations in wing coloration. 2060

- Effects of DDT on brain electrical activity in awake, unrestrained rats. 2352

- The effect of DDT in the diet on the resting and loading electrocorticogram record. 2430

EMBRYOGENESIS

- The embryonic development of the brain in paurometabolic insects. A study on *Carausius morosus* and *Periplaneta americana*. 2007

EMBRYOLOGY

- The morphological basis of embryonic movements in the light brown apple moth, *Epiphyas postvittana* (Walk.) (Lepidoptera: Tortricidae). 1918

EMBRYOS

- Developmental performance of embryonic blastemas of *Drosophila* after culture in the adult host. 1977

- Embryologic development of an anomaly of ocular fundus in the Collie dog. 2312

EMERGENCE

- Population dynamics of the common horseflies and deerflies (Tabanidae: Diptera) breeding on a New Jersey salt marsh. 2037

EMPOASCA FLAVESCENS

- Leaf changes brought about by *Empoasca flavescens* F. (Hom. Typhlocybidae) on apple trees. 2203

- A technique for evaluating varietal resistance of castor to castor jassid (*Empoasca flavescens* Fabricius). 2232

EMULSIFYING AGENTS

- Cholinesterase inhibition in the acute toxicity of alkylsubstituted 2-aminoethanols. 2432

ENCEPHALITIS

- Materials on the epidemiology of tick-borne encephalitis in the zone of construction of Sayano-Shushenskaya hydropower station. 2289

- The pathogenesis of experimental distemper in mice. 2350

ENDOSULFAN

- Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Endosulfan. 2408

ENDOTOXINS

- Stability of *Escherichia coli* endotoxin in the rat gastrointestinal tract. 2279

- Failure of oral *Escherichia coli* endotoxin to induce either specific tolerance or toxic symptoms in rats. 2280

ENDRIN

- Laboratory evaluation of several new insecticides for control of the pale western cutworm. 2012

- Chemical control of mango hoppers (*Idiocerus* spp.). 2211
- ENTEROBACTERIACEAE**
- Transmissible resistance factors in enterobacteriaceae isolated in Algeria. 2441
- ENTEROTOXEMIA**
- Enterotoxaemia: Deadly disease of sheep. 2290
- ENTOMOLOGY**
- Modified container for study of photoperiodism. 1857
- A vacuum probe for manipulating insects. 1859
- Problems in plant pathology and entomology field trials. 2109
- ENVIRONMENT**
- Environmental factors regulating the diurnal vertical migration of *Chaoborus* larvae. 2000
- Histopathology of the developing reproductive system of *Aedes stimulans* (Walker) (Diptera: Culicidae) under thermal stress. 2026
- The longevity of conidia of *Sclerotinia fructicola* (Wint.) Rehm under field conditions. 2140
- Arceuthobium pusillum* on eastern larch in Wisconsin. 2257
- ENZYMES**
- Studies on the genetic and environment regulation of xanthine dehydrogenase and its genetically related enzymes in *Drosophila melanogaster*. 2075
- The influence of the genotype on cell affinities in combinations of imago organisms of *Drosophila melanogaster*. 2079
- Enzymic browning and free tyrosine in potatoes as affected by pentachloronitrobenzene. 2188
- Cytochemical studies on the lesion of equine infectious anemia. VII. Especially on the enzyme histochemistry of RES (Reticulo-Endothelial System) in the liver and spleen. 2300
- An experimental study of the allergen-specific-enzymatic factor. II. Isolation trials of the allergen-specific enzymatic factor from the urine of rabbits. 2322
- Coenzyme Q10 in *Brucella abortus* Bang. 2345
- The effect of molds on the enzymic activity, respiration and viability of stored grain. 2381
- Collagenolytic activity of snake and spider venoms. 2435
- Pharmacological and enzymic constituents of the venom of an Australian bulldog ant *Myrmecia pyriformis*. 2438
- Epoxidation of aldrin by plant materials. 2457
- Biological activity of PA-X, a plant regulator from bean seeds. 2460
- EOSINOPHILS**
- The gross and microscopic changes in sublethal staphylococcal alpha-toxin pancreatitis in dogs. 2276
- EPERYTHROZON TUOMII**
- Eperythrozoon tuomii, sp. n. (Rickettsiales) third species of Eperythrozoon in cattle in Malagasy Republic. 2347
- EPERYTHROZONOSIS**
- Eperythrozoon tuomii, sp. n. (Rickettsiales) third species of Eperythrozoon in cattle in Malagasy Republic. 2347
- EPHYDRIDAE**
- On the knowledge of the Ephyridae (Diptera, Brachycera) from eastern Siberia. 1875
- EPIDEMIOLOGY**
- Diseases of sugarbeet in Arizona. 2112
- Fungal diseases of bananas in Hawaii. 2152
- Stem pitting in *Prunus* spp. other than peach. 2154
- Epidemiology of cucumber mosaic and other virus diseases of lettuce in Arizona. 2159
- Dutch elm disease found in Idaho. 2164
- Distribution of cucurbit viruses in Kansas. 2171
- Cucurbit virus studies in Hawaii. 2172
- Phytophthora crown and root rot of hops in California. 2181
- Epidemiology and prevention of bacterial blight disease of rice in India. 2183
- Plot techniques with maize dwarf mosaic virus: I. Field studies, 1966. 2192
- Equine protozoan diarrhea (equine intestinal Trichomoniasis) at Trinidad racetracks. 2278
- Materials on the epidemiology of tick-borne encephalitis in the zone of construction of Sayano-Shushenskaya hydropower station. 2289
- History and epidemiology of rabies in wildlife in New York. 2293
- Study on the incidence and etiology of mastitis in sows. 2302
- Infectious peritonitis in cats. 2351
- Transmissible resistance factors in enterobacteriaceae isolated in Algeria. 2441
- EPINEPHRINE**
- Occurrence of a skin response to intracutaneous injection of adrenaline as a method to detect the effects of endotoxins in pig organism. 2349
- EPIPHYAS POSTVITTANA**
- The morphological basis of embryonic movements in the light brown apple moth, *Epiphyas postvittana* (Walk.) (Lepidoptera: Tortricidae). 1918
- EPITHELIAL TUMORS**
- Two cases of epithelial malignancy in salientia. 2288
- EPIZOOTIC DISEASES**
- Immunity in ewes resulting from natural exposure to *Vibrio* fetus. 2321
- EPOXIDES**
- Artificial sex pheromones for the codling moth. 2014
- EQUINE INFECTIOUS ANEMIA**
- Cytochemical studies on the lesion of equine infectious anemia. VII. Especially on the enzyme histochemistry of RES (Reticulo-Endothelial System) in the liver and spleen. 2300
- EQUIPMENT**
- Modified container for study of photoperiodism. 1857
- Vacuum cleaner for use with granular applicators in fieldplot work. 1858
- A vacuum probe for manipulating insects. 1859
- A technique for studying the feeding habits of the horn fly. 1860
- An automated repellency-assay system. II. A new electronic bitometer-timer. 1861
- The role of moisture in the winter survival of the boll weevil complex in Arizona. 2001
- Laboratory rearing of aphids. 2019
- Chambers for incubating individual insect eggs and egg parasites. 2054
- Influence of distance on attraction of tobacco hornworm and corn earworm moths to radiations of a blacklight lamp. 2057
- Plot techniques with maize dwarf mosaic virus: II. Greenhouse studies. 2150
- Plot techniques with maize dwarf mosaic virus: I. Field studies, 1966. 2192
- Critical study of a new device for gibberellin dosage by the elongation of the oat stem. 2454
- A portable instrumented tower for use in meteorologically related research. 2468
- An accurate and safe hand-operated, vehicle-mounted applicator for granular insecticides in seed orchards. 2469
- ERYSIPHE GRAMINIS TRITICI**
- 32P and 35S transfer from susceptible wheat to *Erysiphe graminis* f. sp. tritici during primary infection. 2156
- ERYTHROCYTES**
- Cytochemical studies on the lesion of equine infectious anemia. VII. Especially on the enzyme histochemistry of RES (Reticulo-Endothelial System) in the liver and spleen. 2300
- Effect of the venom of the bee *Apis mellifera* on osmotic fragility of cattle RBC. 2434
- ESCHERICHIA COLI**
- Stability of *Escherichia coli* endotoxin in the rat gastrointestinal tract. 2279
- Failure of oral *Escherichia coli* endotoxin to induce either specific tolerance or toxic symptoms in rats. 2280
- Pulmonary diseases of pig in Madagascar. 2335
- Occurrence of a skin response to intracutaneous injection of adrenaline as a method to detect the effects of endotoxins in pig organism. 2349
- Transmissible resistance factors in enterobacteriaceae isolated in Algeria. 2441
- ESCHERICHIA FREUNDII**
- Transmissible resistance factors in enterobacteriaceae isolated in Algeria. 2441
- ESTRADIOL**
- Progesterone-estradiol benzoate (hormonal implant). Drugs for veterinary use; drug efficacy study implementation. 2305
- Testosterone propionate-estradiol benzoate (hormonal implant). Drugs for veterinary use; drug efficacy study implementation. 2306
- ESTROGENS**
- Effects of estrogens on aortic connective tissue of turkeys. 2269

SUBJECT INDEX

- ETHION**
- ETHION**
Consistency of Rst values of six organophosphorus pesticides resolved by thin-layer chromatography in the presence of plant extracts without elaborate clean-up. 2453
- ETHYL PARATHION**
A field test comparing resistant varieties plus applications of polyhedral virus with insecticides for control of *Heliothis* spp. and other pests of cotton, 1967. 1962
- ETHYL S-PHENYL ETHYLPHOSPHONODITHIOATE, O**
Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. O-ethyl S-phenyl ethylphosphonodithioate. 2416
- ETHYLENE DIBROMIDE**
The effects of host nutrition and soil fumigation on the penetration and pathogenicity of *Macloidyne javanica* (Treub, 1885) Chitwood, 1949 on tomato. 2252
- ETHYLENEDIAMINETETRAACETIC ACID**
Crop response to applied zinc in ammoniated phosphate fertilizers. 2455
- ETIOLOGY**
Study on the incidence and etiology of mastitis in sows. 2302
- EULOPHIDAE**
Some species of *Pediobius* Walker (Hymenoptera, Eulophidae) inhabiting cynipid oak galls. 1864
- EUURA**
Evolutionary morphology of insect genitalia as exemplified by the sawfly *Euura* (Hymenoptera: Tenthredinidae). 2052
- EVOLUTION**
A morphological and functional study of the venom apparatus in representatives of some major groups of Hymenoptera. 2036
- EXPERIMENTAL INSECTS**
Behavioral and physiological aspects of mating and oviposition by the adult western corn rootworm, *Diabrotica virgifera* LeConte. 1936
Sexual sterilization of screw-worm flies: Reliability of the chemosterilant technique. 1947
Performance of laboratory-reared and artificially inseminated honey bee queens. 1950
Biology and colonization of the winter tick in the laboratory. 1952
Dispersal and local distribution of laboratory-reared sterile screw-worm flies released in winter. 1980
Transmission of a mosquito iridescent virus in *Aedes taeniorhynchus*. I. Laboratory experiments. 2003
Transmission of a mosquito iridescent virus in *Aedes taeniorhynchus*. II. Experiments related to transmission in nature. 2004
Laboratory evaluation of several new insecticides for control of the pale western cutworm. 2012
Laboratory and field evaluation of larvicides against chironomid midges. 2018
Laboratory rearing of aphids. 2019
A laboratory evaluation of baits and chemosterilants on the little house fly. 2027
- Influence of distance on attraction of tobacco hornworm and corn earworm moths to radiations of a blacklight lamp. 2057
Performance of the English grain aphid on sterilized and unsterilized artificial diet. 2059
Gross variations in the response to man among yellow-fever mosquito populations in the laboratory. 2098
Effect of temperature, light, and date of collection on the feeding rate of the sweetclover weevil. 2209
- EXTRACTS**
Attraction of female boll weevils to traps baited with males or extracts of males. 1945
Isolation of a sex pheromone of the codling moth. 2013
Heat-extraction technique for recovery of potato tuberworm larvae from potato tubers. 2029
Biochemistry of friend virus-infected cells. I. Virion-specific RNA. 2292
Listing of color additives for food use exempt from certification; listing of color additives for drug use exempt from certification. Cochineal extract. 2463
- EYES**
Light-dark adaptation in acone apposition eyes of insects. 1954
Autonomous pleiotropy in *Drosophila*. 2091
Embryologic development of an anomaly of ocular fundus in the Collie dog. 2312
- FALCONS**
The trained falcon in health and disease. 2266
- FANNIA CANICULARIS**
A laboratory evaluation of baits and chemosterilants on the little house fly. 2027
- FASCIOLA GIGANTICA**
Liver-fluke in Madagascar. Biological cycle of *Fasciola gigantica*. 2361
- FASCIOLIASIS**
Liver-fluke in Madagascar. Biological cycle of *Fasciola gigantica*. 2361
- FASCIOLOIDES MAGNA**
A study of immunological reactions in bovine fascioloidiasis (*Fascioloides magna*). 2359
- FAT BODY**
The distribution of radioactive strontium, cesium and iodine in the bodies of some insects. 1937
Studies on the physiology of the fat body of *Pyrrhocoris apterus* L. 2008
- FATS**
Notice of filing of petition regarding pesticide chemicals. 2414
- FATTY ACIDS**
Fatty acids in *Hyalophora cecropia*: Biosynthesis and constitution during development. 2055
- FECEs**
Influence of moisture content of bovine feces on oviposition and development of the face fly. 1927
Metabolic studies with O,O-diethyl O-(3,5,6-trichloro-2-pyridyl) phosphorothioate (dursban) insecticide in a lactating cow. 2296
- FEED**
Scientists attack corn borer. 2202
Saprophytic nematodes transmit *Streptomyces* phage. 2245
Food additives permitted in the feed and drinking water of animals or for the treatment of food-producing animals. Zoalene, 3-nitro-4-hydroxyphenylarsonic acid. 2268
Moldy feeds pose hazard. 2277
Interrelationship of antibiotics and coccidiostats on the growth of White Plymouth Rock chicks. 2311
- FEED GRAINS**
Fumigation of food grains in India with hydrogen phosphide. I. Tests in concrete bins. 2230
- FEED TOXICITY**
The effects of moldy alfalfa hay feeding on rumen activity, rumen protozoa and dairy steer performance, and analysis of toxic substance(s) associated with molding. 2323
- FEEDING**
A technique for studying the feeding habits of the horn fly. 1860
Influence of changes in the cotton plant during the season on the feeding, oviposition, and development of the boll weevil. 1923
Performance of laboratory-reared and artificially inseminated honey bee queens. 1950
Measuring newly hatched phytophagous larvae in the field or greenhouse. 2058
An artificial diet for larvae and adults of *Chrysopa carnea*, an insect predator of crop pests. 2063
Studies on the attack behavior of the southern pine beetle. IV. Influence of host condition on aggregation pattern. 2064
Effect of temperature, light, and date of collection on the feeding rate of the sweetclover weevil. 2209
Preference of green peach aphids for virus-infected sugarbeet leaves. 2224
The trained falcon in health and disease. 2266
- FEEDS**
Stabilization of animal and poultry feeds containing a tetracycline antibiotic. Patent 3,427,166. 2264
- FERBAM**
Chemical control of scab on citrus in Florida. 2136
- FERTILITY**
Adaptations to temperature in geographic races of the Queensland fruit fly *Dacus (Strumeta) tyroni*. 1926
- FERTILIZERS**
The influence of a small application of manure near the seeds on the plant's resistance to infection by nematodes. 2240
Response of cotton plant to certain combinations of fertilizers and Metasystox. 2447
Crop response to applied zinc in ammoniated phosphate fertilizers. 2455
- FETUS**
Embryologic development of an anomaly of ocular fundus in the Collie dog. 2312

- Pathologic responses of the mature and developing nervous system to bluetongue virus. 2336
- FIBERBOARD**
On the sensitiveness of several wood-decaying fungi to gaseous sterilization with propylene oxide. 2449
- FIELD MICE**
Sofar unnoticed damage to fruit trees, brought about by field mice. 2263
- FLAX**
Heritability of seeding disease characteristics in flax. 2162
- FLOWERS**
Preliminary study on the effect of gibberellic acid on fruit set in the Cherimoya. 2452
- FLUORESCENCE**
The pathogenesis of ovine Contagious Ecthyma. 2307
Bromide residues from methyl bromide fumigation of food commodities. 2399
- FLUORESCENT ANTIBODY TECHNIC**
The pathogenesis of experimental distemper in mice. 2350
- FLY TRAPS**
Whole town treatment for fruit fly control. 2236
- FOLIAR APPLICATION**
A comparative study on urea sprays upon some deciduous fruit trees. 2100
Growth regulator control of fruit set and development in the highbush blueberry (*VACCINIUM CORYMBOSUM* L.). 2450
Plant treatment in relation to the rhizosphere effect. II. Foliar applications of certain chemicals and antibiotics in relation to the rhizosphere microflora of rice (*Oryza sativa* L.). 2458
- FOLLICLE-STIMULATING HORMONE**
F.S.H.-P. (follicle stimulating hormone-pituitary). Drugs for veterinary use - drug efficacy study implementation announcement. 2313
- FOMES ANNOSUS**
Annosus root-rot in slash pine plantations four years after thinning and stump treatments. 2138
Survival of *Fomes annosus* spores in soil. 2148
- FOOD**
A new source of high protein in oats. 2193
Feeding stimulants from plants for larvae of the tobacco budworm and bollworm. 2216
Bromide residues from methyl bromide fumigation of food commodities. 2399
- FOOD ADDITIVES**
Food additives permitted in the feed and drinking water of animals or for the treatment of food-producing animals. Zoalene, 3-nitro-4-hydroxyphenylarsonic acid. 2268
Notice of opportunity for hearing regarding medicated animal feeds. 2270
Notice of filing of petition for food additives diethylcarbamazine, styrylpyridinium chloride. 2362
Notice of filing of petitions regarding pesticide chemicals and food additives. 2396
Food additives permitted in food for human consumption. Tylosin. 2407
- Listing of color additives for food use exempt from certification; listing of color additives for drug use exempt from certification. Cochineal extract. 2463
- FOOD ANALYSIS**
Bromide residues from methyl bromide fumigation of food commodities. 2399
Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Endosulfan. 2408
- FOOD CONSUMPTION**
Food additives permitted in food for human consumption. Tylosin. 2407
Toxicity of fentin hydroxide to rats. 2431
- FOOD FLAVOR**
Effect of soil systemic insecticides on flavor and residue in coffee. 2423
- FOOD HABITS**
On the food utilization and digestion of major food nutrients in the lepidopterous larvae feeding on cauliflowers. 2009
The feeding behavior and biology of *Paraprone-matus acaciae* (Acarina: Tydeidae). 2225
The termites of Paris. 2383
- FOOD MOISTURE**
Influence of moisture content of bovine feces on oviposition and development of the face fly. 1927
Effects of simulated rain and dew on the toxicity of certain ultra-low-volume insecticidal spray formulations. 2020
Campaign against stored grain pests in villages of IADP District Ludhiana. 2382
- FOOD PROCESSING**
Removal of DDT, malathion, and carbaryl from tomatoes by commercial and home preparative methods. 2398
Behavior of DDT in potatoes during commercial and home preparation. 2418
- FOOD STORAGE**
Fumigation of food grains in India with hydrogen phosphide. I. Tests in concrete bins. 2230
Comparative review of BHC dust and malathion emulsion as agents for disinfestation on the basis of past experience. 2379
- FOREST INSECTS**
Studies on the attack behavior of the southern pine beetle. II. Response to attractive host material. 1943
Studies on the attack behavior of the southern pine beetle. III. Sequence of tree infestation within stands. 1966
An oak leaf tier, *Croesia semipurpurana* (Kft.) (Lepidoptera: Tortricidae) in the region of Quebec. 2212
- FOREST SOILS**
Survival of *Fomes annosus* spores in soil. 2148
- FORMALDEHYDE**
Scorpion preservation for taxonomic and morphological studies. 2070
Experience obtained from the use of formal-sorbat vaccines against *Salmonella cholerae-suis* in pig stocks. 2339
- FORMICIDAE**
Orthopterological notes. XXII. The genus *Myrmecophilus* Berth. in Italy. 1866
The distribution of ants in central southern England. 1867
- FROGS**
Two cases of epithelial malignancy in salientia. 2288
- FRUIT**
A comparative study on urea sprays upon some deciduous fruit trees. 2100
The longevity of conidia of *Sclerotinia fructicola* (Wint.) Rehm under field conditions. 2140
Rhyacia augur F. and other climbing cutworms (Lepidoptera). 2215
Sofar unnoticed damage to fruit trees, brought about by field mice. 2263
Notice of filing of petition regarding pesticide chemicals. 2412
Preliminary study on the effect of gibberellic acid on fruit set in the Cherimoya. 2452
- FRUIT BATS**
Mycobacterium buruli lesions in the fruit bat web. 2284
- FRUIT ROT**
Bacterial fruit rot of watermelon in Florida. 2130
Fruit rot of papaya (*Carica papaya* L.) caused by *Macrophomina phaseoli* (Mauhl). Ashby. 2143
- FRUIT SETTING**
Growth regulator control of fruit set and development in the highbush blueberry (*VACCINIUM CORYMBOSUM* L.). 2450
- FUMIGANTS**
Bromide residues from methyl bromide fumigation of food commodities. 2399
- FUMIGATION**
Resistance mechanisms against onion pink root (*Pyrenochaeta terrestris*), bioassay of inoculum potential in soil and chemical control. 2174
Fumigation of food grains in India with hydrogen phosphide. I. Tests in concrete bins. 2230
Comparative review of BHC dust and malathion emulsion as agents for disinfestation on the basis of past experience. 2379
- FUNGI**
Fluctuations in the population of *Schizolachnus piniradiatae* (Davidson) (Aphididae-Homoptera) in the Eastern Provinces during 1967. 2048
Biochemical studies on *Sclerotium rolfsii* Sacc. 2144
Cytology of the sporangium of *Phytophthora capsici*. 2194
The feeding behavior and biology of *Paraprone-matus acaciae* (Acarina: Tydeidae). 2225
Mycotoxicoses. 2297
A nephrotoxin from *Aspergillus fumigatus* and its possible relationship with New Zealand mucosal disease-like syndrome in cattle. 2346
Characteristics of in vitro protein synthesis systems from *Rhizoctonia solani* and *Sclerotium bataticola*. 2456

FUNGI DISSEMINATION

FUNGI DISSEMINATION

Wind dispersal of *Puccinia horiana*. 2196

FUNGICIDES

Reduction in mortality of peach trees following preplant soil fumigation. 2103

Arsenal for disease control. 2115

Relative susceptibility of three peanut cultivars to fat leg (seedling growth anomaly) caused by seed treatment with an organic mercury fungicide. 2119

Contribution to the application method for fungicides to control potato blight. 2128

Comparison of chloro and thiocyanato groups as fungal toxiphores in dinitrobenzenes. 2187

Enzymic browning and free tyrosine in potatoes as affected by pentachloronitrobenzene. 2188

Evaluation of fungicides for use against *Marasmius palmivorus* on oil palms. 2191

The effects of host nutrition and soil fumigation on the penetration and pathogenicity of *Meloidogyne javanica* (Treub, 1885) Chitwood, 1949 on tomato. 2252

Establishment and treatment of cutaneous *Candida albicans* infection in the rabbit. 2316

Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Coordination product of zinc ion and maneb. 2406

Food additives permitted in feed and drinking water of animals or for the treatment of food-producing animals. Thiabendazole. 2409

Survival of root-infecting fungi in soil. X. Sensitivity of propagules of *Thielaviopsis basicola* to soil fungistasis in natural and alfalfa-amended soil. 2444

FUNGUS DISEASES (ANIMALS)

Establishment and treatment of cutaneous *Candida albicans* infection in the rabbit. 2316

A nephrotoxin from *Aspergillus fumigatus* and its possible relationship with New Zealand mucosal disease-like syndrome in cattle. 2346

FUNGUS DISEASES (PLANTS)

Reduction in mortality of peach trees following preplant soil fumigation. 2103

Diseases of sugarbeet in Arizona. 2112

Arsenal for disease control. 2115

Phytophthora cinnamomi Rands on conifers in New South Wales. 2121

A rapid method for determining the pathogenicity and factors associated with pathogenicity of *Phytophthora cactorum*. 2123

Mechanism of resistance of carrot roots to *Pythium aphanidermatum* (Eds.) Fitz. 2126

Contribution to the application method for fungicides to control potato blight. 2128

Susceptibility of three pine species to *Sclerotinia lagerbergii* in Upper Michigan. 2129

Chemical control of scab on citrus in Florida. 2136

Annosus root-rot in slash pine plantations four years after thinning and stump treatments. 2138

The longevity of conidia of *Sclerotinia fruticola* (Wint.) Rehm under field conditions. 2140

Fruit rot of papaya (*Carica papaya* L.) caused by *Macrophomina phaseoli* (Maubl.) Ashby. 2143

Virulence of various groups of loose smut of barley (*Ustilago nuda* (Jens.) Rostri) physiological races in the light of anatomical investigations of barley varieties different with regard to resistance. 2. The effect of infection upon anatomical features of plants. 2145

Influence of soil water and temperature on the pea root rot complex caused by *Pythium ultimum* and *Fusarium solani* f. sp. pisi. 2146

Survival of *Fomes annosus* spores in soil. 2148

Genetic and cytogenetic studies of stem rust, leaf rust, and powdery mildew resistances in Hope and related wheat cultivars. 2151

Fungal diseases of bananas in Hawaii. 2152

An approach to the study of the population dynamics of *Aphanomyces eutiches* in soil. 2155

32P and 35S transfer from susceptible wheat to *Erysiphe graminis* f. sp. tritici during primary infection. 2156

Gene dosage effects on monogenic chlorotic lesion resistance to northern corn leaf blight. 2158

The identification of genes for pathogenicity in *Cochliobolus carbonum*. 2160

Heritability of seeding disease characteristics in flax. 2162

Ear removal and cell death rate in corn stalk tissue. 2163

Dutch elm disease found in Idaho. 2164

Ontogeny of vessels influence the development of *Verticillium* in young cotton plants. 2166

A laboratory assay for determining pathogenicity of *Phytophthora* spp. to tomato. 2169

Cytogenetic studies on the resistance of *Hordeum sativum* Jess. mutants, valtick variety, to some fungus diseases. 2170

Resistance mechanisms against onion pink root (*Pyrenochaeta terrestris*), bioassay of inoculum potential in soil and chemical control. 2174

Additional sources of tolerance to oat crown rust. 2176

Morphology, pathogenicity, and cultural characteristics of single conidium isolates of *Alternaria longipes*. 2180

Phytophthora crown and root rot of hops in California. 2181

Downy mildew of sorghum in Georgia. 2182

Differences in reaction to *Puccinia striiformis* between first and second leaves in wheat crosses. 2185

Studies on the brown-eye-spot disease (*Cercospora coffeicola* Berk. et Cke.) of coffee (*Coffea arabica* L.). V. Nutritional requirements of the pathogen. 2186

Enzymic browning and free tyrosine in potatoes as affected by pentachloronitrobenzene. 2188

Evaluation of fungicides for use against *Marasmius palmivorus* on oil palms. 2191

Dutch elm disease detected in Mississippi. 2195

Wind dispersal of *Puccinia horiana*. 2196

On the incubation period of *Puccinia horiana*. 2197

The rapid development and spread of strain B downy mildew of lima beans. 2198

Interaction of a fungus gnat, *Bradysia* sp. (Sciaridae) with *Fusarium* spp. on alfalfa and red clover. 2222

Influence of moisture content, temperature, and time of storage upon invasion of rough rice by storage fungi. 2380

Food additives permitted in feed and drinking water of animals or for the treatment of food-producing animals. Thiabendazole. 2409

Survival of root-infecting fungi in soil. X. Sensitivity of propagules of *Thielaviopsis basicola* to soil fungistasis in natural and alfalfa-amended soil. 2444

FUSARIUM

Phytophthora crown and root rot of hops in California. 2181

Interaction of a fungus gnat, *Bradysia* sp. (Sciaridae) with *Fusarium* spp. on alfalfa and red clover. 2222

FUSARIUM OXYSPORUM

The effects of plant amendments and their associated microflora on *Rhizoctonia solani* Kuehn. 2451

FUSARIUM SOLANI

Influence of soil water and temperature on the pea root rot complex caused by *Pythium ultimum* and *Fusarium solani* f. sp. pisi. 2146

GALLERIA MELLONELLA

Selection methods for pathogenic forms of microorganisms. 1956

GAMMA RAYS

Selection methods for pathogenic forms of microorganisms. 1956

Effects of whole-body irradiation on baby pigs (*Sus scrofa*). 2283

GANGLION CELLS

Action of nicotine on neural transmission in the American cockroach (*Periplaneta americana* (L.)). 1963

GASTROINTESTINAL SYSTEM

First reports on the ultrastructure of the alimentary canal of a pseudoscorpion. 1921

Studies on the metamorphosis of the alimentary canal of *Hyalophora cecropia* (L.). 1992

Stability of *Escherichia coli* endotoxin in the rat gastrointestinal tract. 2279

Loss of serum proteins via the intestinal tract in calves with infectious diarrhea. 2317

Gastrointestinal protein loss in cattle. A clinical and pathophysiological study. 2324

GELS

Demonstration of the synthesis of a yolk protein under the influence of the corpora allata in *Leucophaea maderae*. 2046

- GENES**
Histopathology of the developing reproductive system of *Aedes stimulans* (Walker) (Diptera: Culicidae) under thermal stress. 2026
Inheritance of crown rust resistance in *Avena sterilis*. 2108
Leaf pubescence in common wheat, *Triticum aestivum* L., and resistance to the cereal leaf beetle, *Oulema melanopus* (L.). 2111
DDT resistance in barley, *Hordeum vulgare* L. Induced mutants for resistance. 2114
Host resistance responses- an induction hypothesis. 2139
The coat protein gene of tobacco mosaic virus. I. Location of the gene by mixed infection. 2142
Gene dosage effects on monogenic chlorotic lesion resistance to northern corn leaf blight. 2158
The identification of genes for pathogenicity in *Cochliobolus carbonum*. 2160
- GENETICS**
Lymphocytic thyroiditis in the dog. 2320
- GENOTYPES**
Histopathology of the developing reproductive system of *Aedes stimulans* (Walker) (Diptera: Culicidae) under thermal stress. 2026
The influence of the genotype on cell affinities in combinations of imago organisms of *Drosophila melanogaster*. 2079
- GEOGRAPHY**
Domestic quarantine notices. Witchweed. Regulated areas. 2259
- GERRIDAE**
Morphological and histochemical study of the scent gland in the pond-skater, *Gerris spinolae* Leth. et Seu. (Gerridae-Insecta). 2032
- GIBBERELLA ZEAE**
Ear removal and cell death rate in corn stalk tissue. 2163
- GIBBERELLIC ACID**
Preliminary study on the effect of gibberellic acid on fruit set in the *Cherimoya*. 2452
- GIBBERELLINS**
Growth regulator control of fruit set and development in the highbush blueberry (*VACCINIUM CORYMBOSUM* L.). 2450
Critical study of a new device for gibberellin dosage by the elongation of the oat stem. 2454
- GLANDS (INSECTS)**
Effect of the venom of the scorpion *Tityus serrulatus* on adrenal gland catecholamines. 2433
- GLOSSINA PALPALIS**
Glossina palpalis gambiensis Vanderplank 1949 (Diptera in the Niayes and 1899
Observations on the use of Antrycide Prosalt and the resistance of cattle to Trypanosomiasis. 2285
- GLUCOSAMINE**
Effect of penicillin on the composition of amino sugars in acid-soluble fraction and mucopolysaccharides from *Bacillus subtilis*. 2467
- GLUCOSE**
Studies on the brown-eye-spot disease (*Cercospora coffeicola* Berk. et Cke.) of coffee (*Coffea arabica* L.). V. Nutritional requirements of the pathogen. 2186
- GLYCERIDES**
Studies on the physiology of the fat body of *Pyrrhocoris apterus* L. 2008
- GLYCEROL**
Some observations on chemoreception in the antennae of the centipede, *Scelopendra subspinipes* Leach (Mandibulata-Chilopoda). 2062
- GLYCIDOL**
Histochemistry and ultrastructure of the feminine genital ducts of *Gryllotalpa gryllotalpa* L. 2016
- GLYCINE**
An incidence of the effect of glycine on the virulence of a strain of *Agrobacterium tumefaciens* (Smith and Town) Conn. 2149
Effect of arginine or serine on the need for glycine by the chick fed amino acid or casein diets. 2273
- GLYCOGEN**
Changes in glycogen-, lipid-, and nitrogen metabolism of the imago of *Pyrrhocoris apterus* L. in connection with the reproduction process. 1989
- GLYCOPEPTIDES**
Chemical and biological properties of phytotoxic glycopeptides isolated from *Corynebacterium michiganense*. 2167
- GOATS**
Application of the kinetic seroneutralization test to the research of Rinderpest neutralizing antibodies in cattle sheep and goat. 2282
Liver-fluke in Madagascar. Biological cycle of *Fasciola gigantica*. 2361
The effect of tetramisole on *Muellerius capillaris* in goats. 2374
Oxidative metabolism of phosphamidon in rats and a goat. 2388
Notice of filing of petition regarding pesticide chemicals. 2392
Notice of filing of petition regarding pesticide chemicals. 2393
Notice of filing of petition regarding pesticide chemicals. 2414
- GONADS**
The use of imaginal disks for the determination of the developmental stage of larvae of *Chironomus* (Dipt.). 2071
- GRAIN**
Grain yield of corn reduced by maize dwarf mosaic virus infection. 2141
The effect of aphid numbers and stage of plant growth in determining tolerance to barley yellow dwarf virus in cereals. 2179
Control of weeds in wheat crop by 2,4-D. 2260
Mycotoxins. 2297
Comparative review of BHC dust and malathion emulsion as agents for disinfection on the basis of past experience. 2379
The effect of molds on the enzymic activity, respiration and viability of stored grain. 2381
- GRAMINELLA NIGRIFRONS**
Greenhouse studies of host plant suitability to *Graminella nigrifrons*, a vector of corn stunt virus. 2206
- GRANULOSSES**
Specificity of insect viruses. 1987
- GRAPES**
Proof of the presence of the tomato bushy stunt virus in grape tendrils. 2120
Notice of filing of petition regarding pesticide chemicals. 2391
- GRASSES**
The identification of genes for pathogenicity in *Cochliobolus carbonum*. 2160
- GRASSHOPPERS**
A comparative study of communication in grasshoppers. 2023
- GREENHOUSE CULTURE**
Measuring newly hatched phytophagous larvae in the field or greenhouse. 2058
Modern methods of disease control in florist and nursery crops. 2117
Plot techniques with maize dwarf mosaic virus: II. Greenhouse studies. 2150
Greenhouse studies of host plant suitability to *Graminella nigrifrons*, a vector of corn stunt virus. 2206
Interaction of a fungus gnat, *Bradysia* sp. (Sciaridae) with *Fusarium* spp. on alfalfa and red clover. 2222
Air pollution damage to chrysanthemum foliage. 2387
Growth regulator control of fruit set and development in the highbush blueberry (*VACCINIUM CORYMBOSUM* L.). 2450
- GROWTH**
An incidence of the effect of glycine on the virulence of a strain of *Agrobacterium tumefaciens* (Smith and Town) Conn. 2149
- GROWTH FACTORS**
Principles of crowding effect in *Aphis gossypii* Glover (Aphididae, Homoptera). 1975
Studies on the physiology of the fat body of *Pyrrhocoris apterus* L. 2008
The effect of climatic integrants on population fluctuations of the Columbian timber beetle *Corthylus columbianus* Hopkins (Coleoptera: Scolytidae). 2015
The development of the thorax muscles of *Periplaneta* after cutting of individual nerves. Preliminary report. 2021
Inhibition of growth of *Bacillus thuringiensis* by amino acids in defined media. 2050
Seedlings vigor evaluation of four birdsfoot trefoil varieties grown under two temperature regimes. 2106
Germination, growth, and respiration rates of birdsfoot trefoil at three temperatures during the early nonphotosynthetic stage of development. 2110
Succinic acid 2,2-dimethylhydrazide. Notice of extension of temporary tolerance. 2405

SUBJECT INDEX

GRYLLOTALPA GRYLLOTALPA

Growth regulator control of fruit set and development in the highbush blueberry (*VACCINIUM CORYMBOSUM* L.). 2450

GRYLLOTALPA GRYLLOTALPA

The anal glands of *Grylotalpa grylotalpa* L. ultrastructure and histochemistry. 1948

The feeding of the mole cricket and its effect on outbreaks and control. 1973

Histochemistry and ultrastructure of the feminine genital ducts of *Grylotalpa grylotalpa* L. 2016

GUINEA PIGS

Release of an acetylcholine-like substance from guinea pig ileum by scorpion venom. 2429

GYNANDROMORPHISM

A gynandromorphic grasshopper produced by double fertilization. 2094

HABITATS

The distribution of ants in central southern England. 1867

The termites of Paris. 2383

HAEMATOBIA IRRITANS

A technique for studying the feeding habits of the horn fly. 1860

HAEMOLYMPH

Developmental changes in the late larva of *Calliphora stygia*. I. Haemolymph. 1998

HALO BLIGHT

Some comparisons of chlorosis-inducing Pseudomonad toxins. 2177

HAMSTERS

The pathogenesis of ovine Contagious Ecthyma. 2307

HAY

The effects of moldy alfalfa hay feeding on rumen activity, rumen protozoa and dairy steer performance, and analysis of toxic substance(s) associated with molding. 2323

HEAD

Studies on the structure of the head, mouth-parts and their musculature in *Hippoboscus maculata* Leach (Diptera: Pupipara). 1951

Morphology of the head capsule and its appendages of *Stenothorus gilvifrons* Mulsant (Coleoptera: Coccinellidae). 2010

Head capsule of *Alphitobius diaperinus* (Panz.) (Tenebrionidae-Coleoptera). 2044

Morphology of the head capsule of *Aelia rostrata* Boh. (Hemiptera: Pentatomidae). 2051

HEAT

Heat-extraction technique for recovery of potato tuberworm larvae from potato tubers. 2029

Some comparisons of chlorosis-inducing Pseudomonad toxins. 2177

HEAT TREATMENT

Scorpion preservation for taxonomic and morphological studies. 2070

HELIOTHIS

Report of third work conference on the use of nucleopolyhedrosis virus for control of *Heliothis* species. 1934

An artificial diet for larvae and adults of *Chrysopa carnea*, an insect predator of crop pests. 2063

HELIOTHIS VIRESCENS

A field test comparing resistant varieties plus applications of polyhedral virus with insecticides for control of *Heliothis* spp. and other pests of cotton, 1967. 1962

Effect of droplet size on persistence of ULV malathion and comparison of toxicity of ULV and EC malathion to tobacco budworm larvae. 2031

Measuring newly hatched phytophagous larvae in the field or greenhouse. 2058

Feeding stimulants from plants for larvae of the tobacco budworm and bollworm. 2216

Inundative releases of *Chrysopa carnea* for control of *Heliothis* on cotton. 2231

HELIOTHIS ZEA

A field test comparing resistant varieties plus applications of polyhedral virus with insecticides for control of *Heliothis* spp. and other pests of cotton, 1967. 1962

Population assessment of cotton bollworm in relation to pest control practices. 1974

Effects of simulated rain and dew on the toxicity of certain ultra-low-volume insecticidal spray formulations. 2020

Chambers for incubating individual insect eggs and egg parasites. 2054

Influence of distance on attraction of tobacco hornworm and corn earworm moths to radiations of a blacklight lamp. 2057

Feeding stimulants from plants for larvae of the tobacco budworm and bollworm. 2216

Inundative releases of *Chrysopa carnea* for control of *Heliothis* on cotton. 2231

HELMINTHOSPORIUM TURCICUM

Gene dosage effects on monogenic chlorotic lesion resistance to northern corn leaf blight. 2158

HEMADSORPTION TESTS

A modified mixed hemadsorption test and its application in the study of the avian leukosis-sarcoma viruses. 2337

HEMAGGLUTINATION

Immunological studies on experimental ascariasis. 2378

HEMIPTERA

On the fine structure of insect cuticle. A contribution to the question of the characteristic protection against toxins of the Hemiptera cuticle. 1972

HEMOLYMPH

Demonstration of the synthesis of a yolk protein under the influence of the corpora allata in *Leucophaea maderae*. 2046

HEMORRHAGE

Vetistat. Drugs for veterinary use - drug efficacy study implementation. 2272

HEPATITIS

Attenuated infectious canine hepatitis live virus vaccine and method of producing same. Patent 3,432,391. 2298

HEPTACHLOR

Residues in pasture following application of a granular heptachlor preparation. 2403

Use of carbon to reduce uptake of insecticidal soil residues by crop plants. Effects of carbon on insecticide adsorption and toxicity in soils. 2419

Heptachlor residues in soil, pasture, and stock resulting from the treatment of soil or pasture with heptachlor granules. 2424

HEPTACHLOR EPOXIDE

Use of carbon to reduce uptake of insecticidal soil residues by crop plants. Effects of carbon on insecticide adsorption and toxicity in soils. 2419

Heptachlor residues in soil, pasture, and stock resulting from the treatment of soil or pasture with heptachlor granules. 2424

HERBICIDES

The effects of IPC, CIPC, Sevin and Zeetran on *Bacillus subtilis*. 2132

Chemical control of scab on citrus in Florida. 2136

Biochemical aspects of triazine based herbicides. 2255

Progress report on Johnsongrass control in orchards. 2256

Comparison of herbicides and times of spraying for the control of blackberry (*Rubus fruticosus*). 2258

Control of weeds in wheat crop by 2,4-D. 2260

Selective herbicides control weeds in lucerne at Cowra. 2262

Several factors affecting adsorption of atrazine and diphenamid by soils. 2386

Notice of filing of petition regarding pesticide chemicals. 2391

Notice of withdrawal of petition regarding pesticides. 2394

Notice of filing of petition regarding pesticide chemicals. 2395

Notice of filing of petition regarding pesticide chemicals. 2410

Notice of filing of petition regarding pesticide chemicals. 2411

Notice of filing of petition regarding pesticide chemicals. 2413

Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Diphenamid. 2415

Selective action of chloroxuron on soybean and morningglory. 2448

Effect of trifluralin on growth of *Sclerotium rolfsii* in liquid culture and soil. 2459

Degradation of monosodium methanearsonic acid by soil microorganisms. 2461

HEREDITARY DISEASES

Embryologic development of an anomaly of ocular fundus in the Collie dog. 2312

HERPESVIRUSES

Kinetics of viral deoxyribonucleic acid, protein, and infectious particle production and alterations in host macromolecular syntheses in equine abortion (Herpes) virus-infected cells. 2327

HETERAKIS GALLINARUM

Hygromix (hygromycin B). Drugs for veterinary use; drug efficacy study implementation. 2364

HETEROCERIDAE

A new species of *Heterocerini* (Coleoptera: Heteroceridae). 1902

IIETERODERA GLYCINES

Survival of soybean cyst nematodes in seed bags.
2243

HETERODERA ROSTOCHIENSIS

Determination of the water content of nematode worms by interference microscopy.
2242

HETERODERA SCHACHTII

Nebraska root-gall nematode of sugar beets.
2253

HETERODERA TABACUM

Mutual antagonism between *Heterodera tabacum* and some other parasitic nematodes.
2248

HETERODERA TRIFOLII

Interrelationships between root-nodule bacteria, plant-parasitic nematodes and their leguminous host.
2261

HETEROPEZA PYGMAEA

On the hormonal control of ovarian development in the female larva of the heterogonid gall gnat *Heteropeza pygmaea* Winnertz 1846 (Diptera, Cecidomyiidae).
2030

HETEROPTERA

Heteroptera catch from the island of Crete.
1886

HIbernATION

The feeding of the mole cricket and its effect on outbreaks and control.
1973

The role of moisture in the winter survival of the boll weevil complex in Arizona.
2001

Distribution of hibernating larvae of the western budworm, *Choristoneura occidentalis*, on Douglas-fir in Colorado.
2226

HILL REACTION

Biochemical aspects of triazine based herbicides.
2255

HIPOBOSCIDAEE

Studies on the structure of the head, mouth-parts and their musculature in *Hippobosca maculata* Leach (Diptera: Pupipara).
1951

HIRUDINEA

Experimental investigation into the physiological change in color of Hirudinea.
2375

HISTAMINE

Pharmacological and enzymic constituents of the venom of an Australian bulldog ant *Myrmecia pyriformis*.
2438

HISTIDINE

Cellular and extracellular activities implementing selective assimilation of yolk proteins by *Cecropia* oocytes.
1919

HISTOCHEMISTRY

The anal glands of *Grylotalpa grylotalpa* L. ultrastructure and histochemistry.
1948

Observations on the histo-morphology of the labial glands in *Neodiprion sertifer* Geoffroy (Hymenoptera Diprionidae).
1961

Histochemistry and ultrastructure of the feminine genital ducts of *Grylotalpa grylotalpa* L.
2016

Morphological and histochemical study of the scent gland in the pond-skater, *Gerris spinolae* Leth. et Seu. (Gerridae-Insecta).
2032

Brain cholinesterase activity and its inheritance in cattle tick (*Boophilus microplus*) strains resistant and susceptible to organophosphorus acaricides.
2093

Effects of estrogens on aortic connective tissue of turkeys.
2269

Cytochemical studies on the lesion of equine infectious anemia. VII. Especially on the enzymic histochemistry of RES (Reticulo-Endothelial System) in the liver and spleen.
2300

The pathogenesis of ovine Contagious Ecthyma.
2307

HISTOPATHOLOGY

Histopathology of the developing reproductive system of *Aedes stimulans* (Walker) (Diptera: Culicidae) under thermal stress.
2026

HISTORY

History and epidemiology of rabies in wildlife in New York.
2293

HOMOPTERA

Contribution to the fauna of Congo (Brazzaville). Mission of A. Villiers and A. Descarpentries. LIII. Homoptera Cicadidae.
1876

Principles of crowding effect in *Aphis gossypii* Glover (Aphididae, Homoptera).
1975

HOPS

Phytophthora crown and root rot of hops in California.
2181

Notice of filing of petition regarding pesticide chemicals.
2390

Notice of filing of petition regarding pesticide chemicals.
2391

HORDEUM

Selective herbicides control weeds in lucerne at Cowra.
2262

HORMONES

Studies on the metamorphosis of the alimentary canal of *Hyalophora cecropia* (L.).
1992

Demonstration of the synthesis of a yolk protein under the influence of the corpora allata in *Leucophaea maderae*.
2046

Fatty acids in *Hyalophora cecropia*: Biosynthesis and constitution during development.
2055

Effects of estrogens on aortic connective tissue of turkeys.
2269

P.L.A. (pituitary lutcinizing hormone). Drugs for veterinary use - drug efficacy study implementation.
2271

Progesterone-estradiol benzoate (hormonal implant). Drugs for veterinary use; drug efficacy study implementation.
2305

Testosterone propionate-estradiol benzoate (hormonal implant). Drugs for veterinary use; drug efficacy study implementation.
2306

F.S.H.-P. (follicle stimulating hormone-pituitary). Drugs for veterinary use - drug efficacy study implementation announcement.
2313

HORSES

Equine protozoan diarrhea (equine intestinal Trichomoniasis) at Trinidad racetracks.
2278

Cytochemical studies on the lesion of equine infectious anemia. VII. Especially on the enzyme histochemistry of RES (Reticulo-Endothelial System) in the liver and spleen.
2300

Transmission of equine sarcoid.
2348

Notice of filing of petition regarding pesticide chemicals.
2392

HOST RELATIONSHIPS

On a known and some new species of insect nematodes.
1959

Investigation into a conditional host modification by the ichneumonid fly *Perithous divinator* (Rossi) (Hym., Ichneumon.).
1984

Hymenoptera and nematodes as parasites of *Tachyporus* species (Col.; Staphylinidae) with special consideration of *Centistes lucidator* (Nees) (Hym.; Braconidae).
2223

Biochemical analysis of aphid saliva and its importance in gall development.
2233

HUMAN DISEASES

Gross variations in the response to man among yellow-fever mosquito populations in the laboratory.
2098

Mycotoxicooses.
2297

Cytology of pink-eye of sheep, including a reference to trachoma of man, by employing acridine orange and iodine stains, and isolation of *Mycoplasma* agents from infected sheep eyes.
2344

HUMANS

Research and testing of preparations on rodents in the habitat of man.
2442

The effect of malic hydrazide on the mitosis of phytohaemagglutinin stimulated human lymphocytes cultured in vitro.
2443

HUMIC ACIDS

Adsorption of some pesticides on soils, clay minerals and humic acid.
2420

HUMIDITY

Glossina palpalis gambiensis Vanderplank 1949 (Diptera in the Niayes and
1899

Hints on the permanent rearing of *Dacus oleae* Gmelin (Diptera, Tephritidae) in the laboratory.
1938

The role of moisture in the winter survival of the boll weevil complex in Arizona.
2001

Mass rearing technique of rice gall midge (*Pachytiplosis oryzae* Wood-Mason) and notes on its biology.
2002

Population dynamics of the common horseflies and deerflies (Tabanidae: Diptera) breeding on a New Jersey salt marsh.
2037

Physiological bases for the luring and catching of insects.
2069

Pulmonary diseases of pig in Madagascar.
2335

Influence of moisture content, temperature, and time of storage upon invasion of rough rice by storage fungi.
2380

HYALOPHORA CECROPIA

Cellular and extracellular activities implementing selective assimilation of yolk proteins by *Cecropia* oocytes.
1919

Studies on the metamorphosis of the alimentary canal of *Hyalophora cecropia* (L.).
1992

Fatty acids in *Hyalophora cecropia*: Biosynthesis and constitution during development.
2055

HYALURONIDASE

Pharmacological and enzymic constituents of the venom of an Australian bulldog ant *Myrmecia pyriformis*.
2438

HYBRIDS

Crown gall tumors in various species and hybrids of *Kalanchoideae*.
2122

SUBJECT INDEX

HYDRATES

HYDRATES

Pyrimidine hydrates and dimers in ultraviolet-irradiated tobacco mosaic virus ribonucleic acid. 2178

HYDROGEN-ION CONCENTRATION

Signs of water pollution in the Riviere des Prairies. 2385

HYDROLYSATES

Trapping for control of the Mexican fruit fly in mango and citrus groves. 1924

HYDROLYSIS

Biochemical studies on *Sclerotium rolfsii* Sacc. 2144

Pyrimidine hydrates and dimers in ultraviolet-irradiated tobacco mosaic virus ribonucleic acid. 2178

HYGIENE

Whole town treatment for fruit fly control. 2236

HYGROMYCIN B

Hygromix (hygromycin B). Drugs for veterinary use; drug efficacy study implementation. 2364

HYMENOPTERA

Platygasterid discoveries from Finland (Hymenoptera, Proctotrupoidea). 1882

Structure and function of the rectal pads in Hymenoptera. 1922

The distribution of radioactive strontium, cesium and iodine in the bodies of some insects. 1937

A morphological and functional study of the venom apparatus in representatives of some major groups of Hymenoptera. 2036

An annotated list of hymenopterous parasites of citrus soft scales in Israel. 2041

HYPERA POSTICA

Vacuum cleaner for use with granular applicators in fieldplot work. 1858

Standardized procedures adopted for cooperative Ohio Valley States alfalfa weevil research. 1920

A bibliography of the alfalfa weevil, *Hypera postica* (Gyllenhal) Supplement I. 1944

Effects of apholate on the alfalfa weevil. 2053

Developing alfalfa resistant to alfalfa weevil oviposition. 2101

A mass screening procedure for isolating alfalfa seedlings with resistance to the alfalfa weevil. 2204

HYPERKERATOSIS

Eczema and liver disease in dogs (hepatodermal syndrome). 2287

HYPERODES BONARIENSIS

A laboratory comparison of the effects of some insecticides on the Argentine stem weevil (*Hyperodes bonariensis* Kuschel) (Coleoptera: Curculionidae). 2207

HYPHANTRIA CUNEA

The control of some species of pest insects by *Bacillus thuringiensis*. 1953

ICHNEUMONIDAE

Supplement to the revision of the west-palaearctic Ichneumonidae Scambus Htg. 1865

Investigation into a conditional host modification by the ichneumonid fly *Perithous divinator* (Rossi) (Hym., Ichneum.). 1984

ICSH

P.L.A. (pituitary luteinizing hormone). Drugs for veterinary use - drug efficacy study implementation. 2271

IDENTIFICATION

The identification of genes for pathogenicity in *Cochliobolus carbonum*. 2160

IDIOCERUS

Chemical control of mango hoppers (*Idiocerus* spp.). 2211

IMMUNITY

Specificity of insect viruses. 1987

Immunity in ewes resulting from natural exposure to *Vibrio* fetus. 2321

IMMUNIZATION

Observations on the use of Antrycide Prosalt and the resistance of cattle to Trypanosomiasis. 2285

Contagious bovine pleuropneumonia, its treatment and control. 2286

Enterotoxaemia: Deadly disease of sheep. 2290

Experience obtained from the use of formol-adsorbat vaccines against *Salmonella cholerae-suis* in pig stocks. 2339

IMMUNOCHEMISTRY

Antigen conversion in *Salmonella*. XI. Conversion in the N(O:30) group. 2437

IMMUNOLOGY

Loss of serum proteins via the intestinal tract in calves with infectious diarrhoea. 2317

Pathologic responses of the mature and developing nervous system to bluetongue virus. 2336

A study of immunological reactions in bovine fascioloidiasis (*Fascioloides magna*). 2359

Immunological studies on experimental ascariasis. 2378

IMPATIENS PARVIFLORA

Electron microscopic observations on the causal agent of the Brazilian tomato ring spot disease. 2175

IMPLANTATION

Progesterone-estradiol benzoate (hormonal implant). Drugs for veterinary use; drug efficacy study implementation. 2305

Testosterone propionate-estradiol benzoate (hormonal implant). Drugs for veterinary use; drug efficacy study implementation. 2306

IN VITRO

Studies on the physiology of the fat body of *Pyrrhocoris apterus* L. 2008

INCUBATORS

Chambers for incubating individual insect eggs and egg parasites. 2054

INDIA

Study on the incidence and etiology of mastitis in sows. 2302

INFECTIOUS DISEASES

Contagious bovine pleuropneumonia, its treatment and control. 2286

Enterotoxaemia: Deadly disease of sheep. 2290

The pathogenesis of ovine Contagious Ecthyma. 2307

Studies on bovine tuberculosis. Effects of repeated tuberculations in infected cattle. 2326

Infectious peritonitis in cats. 2351

INFRARED RAYS

Influence of distance on attraction of tobacco hornworm and corn earworm moths to radiations of a blacklight lamp. 2057

INFRARED SPECTRA

Infrared spectrography of myxoviruses. 2291

Adsorption of 3-aminotriazole by montmorillonite. 2466

INHERITANCE

Inheritance and biochemistry of OP-RESISTANCE in a New York strain of the two-spotted spider mite. 2080

INHIBITORS

The development of the thorax muscles of *Periplaneta* after cutting of individual nerves. Preliminary report. 2021

Inhibition of growth of *Bacillus thuringiensis* by amino acids in defined media. 2050

Mechanism of resistance of carrot roots to *Pythium aphanidermatum* (Eds.) Fitz. 2126

Cholinesterase inhibition in the acute toxicity of alkylsubstituted 2-aminoethanols. 2432

Characteristics of in vitro protein synthesis systems from *Rhizoctonia solani* and *Sclerotium bataticola*. 2456

INJECTIONS

Occurrence of a skin response to intracutaneous injection of adrenaline as a method to detect the effects of endotoxins in pig organism. 2349

INSECT ACCLIMATIZATION

The acclimatization of *Zonabris variabilis* Pall. (Coleoptera, Meloidae) in Sardinia, 20 years after its introduction. 1946

INSECT ADAPTATION

Adaptations to temperature in geographic races of the Queensland fruit fly *Dacus* (*Strumeta*) *tyroni*. 1926

INSECT ANATOMY

Bionomics and taxonomy of Meloe (Coleoptera, Meloidae), with a classification of the New World species. 1903

Action of nicotine on neural transmission in the American cockroach (*Periplaneta americana* (L.)). 1963

Supplementary information on Korean Psyllidae. (Homoptera Psyllodea). 1999

The presence waxes in two kinds of lac cells. 2006

The embryonic development of the brain in paurometabolic insects. A study on *Carausius morosus* and *Periplaneta americana*. 2007

On the morphology and the bionomics of the insects of economic importance. II. Head appendages in *Alphitohius diaperinus* (Panz.) (Tenebrionidae, Coleoptera). 2043

Morphology of the head capsule of *Aelia rostrata* Boh. (Hemiptera: Pentatomidae). 2051

Evolutionary morphology of insect genitalia as exemplified by the sawfly *Euura* (Hymenoptera: Tenthredinidae). 2052

Teratology of the beetle *Tenebrio molitor*. III. Ultrastructural alterations in the flight musculature of the pupal-winged adult. 2090

INSECT BEHAVIOR

- A technique for studying the feeding habits of the horn fly. 1860
- Temporal distribution of *Tribolium castaneum* Herbst and *Cadra cautella* Walker on temperature gradients. 1917
- Influence of changes in the cotton plant during the season on the feeding, oviposition, and development of the boll weevil. 1923
- Influence of moisture content of bovine feces on oviposition and development of the face fly. 1927
- Studies on the attack behavior of the southern pine beetle. II. Response to attractive host material. 1943
- Biology and colonization of the winter tick in the laboratory. 1952
- Studies on the attack behavior of the southern pine beetle. III. Sequence of tree infestation within stands. 1966
- On the mechanism involved in perception of light stimuli during the photoperiodic reaction in *Lepidoptera* caterpillars. (TT 61-23975). 1967
- Biological notes on *Spilonota ocellana* Denis and Schiffmuller (*Lepidoptera* Tortricidae) in the foothill region of Friuli and preliminary indications on the factors adverse to its development. 1970
- The feeding of the mole cricket and its effect on outbreaks and control. 1973
- Principles of crowding effect in *Aphis gossypii* Glover (*Aphididae*, *Homoptera*). 1975
- The relative abundance of species in a wild population of *Macro-Lepidoptera*. 1985
- On the ethometry of sign stimuli; the theory of the telotactic choice, and the power principle of the terminal cumulation in arthropods. 1990
- Biology of the face fly: Migration of larvae. 1991
- Oviposition preference by *Costelytra zealandica* (White). II. 1997
- Flashes of *Photuris* fireflies: Their value and use in recognizing species. 2005
- A comparative study of communication in grasshoppers. 2023
- Competitive mating tests between normal and aspermic male house flies. 2035
- Investigation into the appearance of the three castes in the bumblebee colony. 2040
- Comparative bee sociology I. Origin of communal and caste systems. 2042
- Influence of distance on attraction of tobacco hornworm and corn earworm moths to radiations of a blacklight lamp. 2057
- Studies on the attack behavior of the southern pine beetle. IV. Influence of host condition on aggregation pattern. 2064
- Insect and host factors in the aggregation of the southern pine beetle. 2065
- Physiological bases for the luring and catching of insects. 2069
- Biology of the robber fly *Eutolmus rufibarbis* Mg. (*Diptera*, *Asilidae*) in Khabarovsk Territory. 2072

- Genetic heterogeneity among the founders of laboratory populations of *Drosophila melanogaster*. II. Mating behaviour. 2081
- Effect of temperature, light, and date of collection on the feeding rate of the sweetclover weevil. 2209
- Feeding stimulants from plants for larvae of the tobacco budworm and bollworm. 2216
- Preference of green peach aphids for virus-infected sugarbeet leaves. 2224
- Distribution of hibernating larvae of the western budworm, *Choristoneura occidentalis*, on Douglas-fir in Colorado. 2226
- Damage by the strawberry spider mite to cotton when infestations commenced at the beginning, middle, and end of the flowering period. 2228
- The termites of Paris. 2383

INSECT BIOCHEMISTRY

- On the fine structure of insect cuticle. A contribution to the question of the characteristic protection against toxins of the *Hemiptera* cuticle. 1972
- Brain cholinesterase activity and its inheritance in cattle tick (*Boophilus microplus*) strains resistant and susceptible to organophosphorus acaricides. 2093

INSECT BIOLOGY

- Orthopterological notes. XXII. The genus *Myrmecophilus* Berth. in Italy. 1866
- The North American *Aegeriidae* (*Lepidoptera*): A revision based on late-in tar larvae. 1893
- Macrosiphum alpinum* n. sp. (*Homoptera*: *Aphididae*). 1898
- Glossina palpalis gambiensis* Vanderplank 1949 (*Diptera* in the Niayes and 1899
- A bibliography of the alfalfa weevil, *Hypera postica* (Gyllenhal) Supplement I. 1944
- Biology and colonization of the winter tick in the laboratory. 1952
- Biological notes on *Spilonota ocellana* Denis and Schiffmuller (*Lepidoptera* Tortricidae) in the foothill region of Friuli and preliminary indications on the factors adverse to its development. 1970
- Biology of the face fly: Migration of larvae. 1991
- Mass rearing technique of rice gall midge (*Pachytiplosis oryzae* Wood-Mason) and notes on its biology. 2002
- Heat-extraction technique for recovery of potato tuberworm larvae from potato tubers. 2029
- Pericentric inversion polymorphism in *Trimerotropis helferi* (*Orthoptera*: *Acerididae*) and its effect on chiasma frequency. 2088
- Greenhouse studies of host plant suitability to *Graminella nigrifrons*, a vector of corn stunt virus. 2206
- An oak leaf tier, *Croesia semipurpurana* (Kft.) (*Lepidoptera*: *Tortricidae*) in the region of Quebec. 2212
- Rhyacia augur* F. and other climbing cutworms (*Lepidoptera*). 2215
- The feeding behavior and biology of *Paraprone-matus acaciae* (Acarina: *Tydeidae*). 2225

INSECT BREEDING

- Sex and selection for a quantitative character in *Drosophila*. I. Single-sex selection. 2076
- Sex and selection for a quantitative character in *Drosophila*. II. The sex dimorphism. 2077
- Effectiveness of regular cycles of intermittent artificial selection for a quantitative character in *Drosophila melanogaster*. 2087
- A boll weevil oviposition suppression factor in cotton. 2208
- INSECT CAGES
- A technique for studying the feeding habits of the horn fly. 1860
- Hints on the permanent rearing of *Dacus oleae* Gmelin (*Diptera*, *Tyrtetidae*) in the laboratory. 1938
- Biological factors influencing responses of the female boll weevil to the male sex pheromone in field and large-cage tests. 1978
- Laboratory rearing of aphids. 2019
- Inundative releases of *Chrysopa carnea* for control of *Heliothis* on cotton. 2231

INSECT COLLECTING EQUIPMENT

- Behavioral and physiological aspects of mating and oviposition by the adult western corn rootworm, *Diabrotica virgifera* LeConte. 1936
- Attraction of female boll weevils to traps baited with males or extracts of males. 1945
- Biological factors influencing responses of the female boll weevil to the male sex pheromone in field and large-cage tests. 1978
- Field and laboratory studies of attraction of the synthetic sex pheromone to male cabbage looper moths. 1986
- Population dynamics of the common horseflies and deerflies (*Tabanidae*: *Diptera*) breeding on a New Jersey salt marsh. 2037
- Hourly and seasonal collections of six harmful insects in traps equipped with blacklight lamps. 2056
- Physiological bases for the luring and catching of insects. 2069

INSECT COLLECTION

- New longicorns of the Museum of Natural History at Geneva. 1872
- Heteroptera catch from the island of Crete. 1886
- Some remarks concerning sphinx moths catches on the island of Sumatra. Supplementary information concerning the knowledge of sphinx moths (II) (*Lep. Sphingidae*). 1887
- Aquatic insect fauna of Brownsea Island and the Isle of Purbeck, Dorset. 1911
- Flight and ground collection records of *Costelytra zealandica* (White) at a site in Canterbury, New Zealand. 1996
- Effect of temperature, light, and date of collection on the feeding rate of the sweetclover weevil. 2209

INSECT CONTROL

- Trapping for control of the Mexican fruit fly in mango and citrus groves. 1924
- A bibliography of the alfalfa weevil, *Hypera postica* (Gyllenhal) Supplement I. 1944

INSECT CULTURES

- Population assessment of cotton bollworm in relation to pest control practices. 1974
- Whole town treatment for fruit fly control. 2236
- Materials on the epidemiology of tick-borne encephalitis in the zone of construction of Sayano-Shushenskaya hydropower station. 2289
- Comparative review of BHC dust and malathion emulsion as agents for disinfection on the basis of past experience. 2379
- Effects of lindane and carbaryl on insects, soil and plant nitrogen, and grain yield of rice. 2445
- A portable instrumented tower for use in meteorologically related research. 2468

INSECT CULTURES

- Developmental performance of embryonic blastemas of *Drosophila* after culture in the adult host. 1977
- Studies on the genetic and environment regulation of xanthine dehydrogenase and its genetically related enzymes in *Drosophila melanogaster*. 2075

INSECT DIAPAUSE

- The ecology of *Sminthurus viridis* (Collembola). II. Diapause in the aestivating egg. 2066

INSECT DIGESTION

- On the food utilization and digestion of major food nutrients in the lepidopterous larvae feeding on cauliflowers. 2009

INSECT DISEASES

- Report of third work conference on the use of nucleopolyhedrosis virus for control of *Heliothis* species. 1934
- Selection methods for pathogenic forms of microorganisms. 1956
- The effect of nucleases and nucleic acid synthesis inhibitors on sigma virus multiplication in *Drosophila melanogaster*. 1979
- Specificity of insect viruses. 1987

INSECT DISSEMINATION

- Studies on the attack behavior of the southern pine beetle. II. Response to attractive host material. 1943
- Studies on the attack behavior of the southern pine beetle. III. Sequence of tree infestation within stands. 1966
- Dispersal and local distribution of laboratory-reared sterile screw-worm flies released in winter. 1980
- Biology of the face fly: Migration of larvae. 1991
- The effect of climatic integrants on population fluctuations of the Columbian timber beetle *Corthylus columbianus* Hopkins (Coleoptera: Scolytidae). 2015
- Studies on the attack behavior of the southern pine beetle. IV. Influence of host condition on aggregation pattern. 2064
- Insect and host factors in the aggregation of the southern pine beetle. 2065
- Gross variations in the response to man among yellow-fever mosquito populations in the laboratory. 2098

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- Glossina palpalis gambiensi* Vanderplank 1949 (Diptera in the Niayes and 1899
- Adaptations to temperature in geographic races of the Queensland fruit fly *Dacus* (Strumeta) tyroni. 1926
- The comparative ecology of two closely related, sympatric species of *Dacus* (Diptera) in Queensland. 1969
- On the ethometry of sign stimuli; the theory of the telotactic choice, and the power principle of the terminal cumulation in arthropods. 1990
- On the soil fauna of meadow and alfalfa stocked fields of different locations with special consideration of the Oribatids. 2045
- The ecology of *Sminthurus viridis* (L.) (Collembola). I. Processes influencing numbers in pastures in Western Australia. 2067
- Biology of the robber fly *Eutolmus rufibarbis* Mg. (Diptera, Asilidae) in Khabarovsk Territory. 2072
- The ecology of a natural population of the Queensland fruit fly, *Dacus tryoni*. I. The parameters of the pupal and adult populations during a single season. 2205
- Studies of the ecology of the cabbage aphid (*Brevicoryne brassicae* (L.)) on brassica field crops in Canterbury, New Zealand. II. Population study, 1959-60. 2219

INSECT EGGS

- Iconography of the eggs of the Lepidoptera fauna of Belgium. 1907
- Cellular and extracellular activities implementing selective assimilation of yolk proteins by *Cecropia* oocytes. 1919
- Pre-bloom oil sprays for European red mite control. 1932
- Biological notes on *Spilota ocellana* Denis and Schiffermüller (Lepidoptera Tortricidae) in the foothill region of Friuli and preliminary indications on the factors adverse to its development. 1970
- The feeding of the mole cricket and its effect on outbreaks and control. 1973
- Organogenesis of the female reproductive system of an aedine mosquito. 2038
- Effects of apholate on the alfalfa weevil. 2053
- Chambers for incubating individual insect eggs and egg parasites. 2054
- The ecology of *Sminthurus viridis* (Collembola). II. Diapause in the aestivating egg. 2066
- An oak leaf tier, *Croesia semipurpurana* (Kft.) (Lepidoptera: Tortricidae) in the region of Quebec. 2212
- Inundative releases of *Chrysopa carnea* for control of *Heliothis* on cotton. 2231

INSECT EVOLUTION

- Geographical variation in *Papirides nitidus* (Hutton) (Orthoptera: Acrididae). 2028
- Investigation into the appearance of the three castes in the bumblebee colony. 2040

INSECT FLIGHT

- Dispersal and local distribution of laboratory-reared sterile screw-worm flies released in winter. 1980
- Teratology of the beetle *Tenebrio molitor*. III. Ultrastructural alterations in the flight musculature of the pupal-winged adult. 2090

INSECT GENETICS

- The effect of nucleases and nucleic acid synthesis inhibitors on sigma virus multiplication in *Drosophila melanogaster*. 1979
- Viability, proportion between the sexes and of the X chromosomes of *Drosophila melanogaster*. 2074
- Studies on the genetic and environment regulation of xanthine dehydrogenase and its genetically related enzymes in *Drosophila melanogaster*. 2075
- Sex and selection for a quantitative character in *Drosophila*. I. Single-sex selection. 2076
- Sex and selection for a quantitative character in *Drosophila*. II. The sex dimorphism. 2077
- Aspects of RNA and protein synthesis in imaginal discs of *Drosophila melanogaster*. 2078
- The influence of the genotype on cell affinities in combinations of imago organisms of *Drosophila melanogaster*. 2079
- Inheritance and biochemistry of OP-RESISTANCE in a New York strain of the two-spotted spider mite. 2080
- Genetic heterogeneity among the founders of laboratory populations of *Drosophila melanogaster*. II. Mating behaviour. 2081
- 5-aminoacridine induced crossing over in the *Drosophila* male. 2082
- Genetic and cytogenetic relationships among certain nearctic anophelines. 2083
- Relative fitness of a third chromosome inversion in *Drosophila melanogaster*. 2084
- Genetic heterogeneity among the founders of laboratory populations of *Drosophila melanogaster*. III. Sternopleural chaetae. 2085
- The taxonomy, cytology and genetics of genus *Timarcha* (Col. Cris). I. Karyotype of *T. goettinensis* L. ssp. *catalaunensis* Fairm.. 2086
- Effectiveness of regular cycles of intermittent artificial selection for a quantitative character in *Drosophila melanogaster*. 2087
- Pericentric inversion polymorphism in *Trimerotropis helperi* (Orthoptera: Acrididae) and its effect on chiasma frequency. 2088
- Embryonic developmental mutations of the nullosomes and tetrasomes of the third chromosome of *Drosophila melanogaster*. 2089
- Teratology of the beetle *Tenebrio molitor*. III. Ultrastructural alterations in the flight musculature of the pupal-winged adult. 2090
- Autonomous pleiotropy in *Drosophila*. 2091
- Inheritance of resistance to organophosphorus acaricides in the cattle tick, *Boophilus microplus*. 2092
- Brain cholinesterase activity and its inheritance in cattle tick (*Boophilus microplus*) strains re-

- sistant and susceptible to organophosphorus acaricides. 2093
- A gynandromorphic grasshopper produced by double fertilization. 2094
- Cytogenetics of the viatica group of morabine grasshoppers. I. The coastal species. 2095
- Karyotypes and nuclear size in the spermatogenesis of grasshoppers belonging to the subfamilies Gomphomastacinae, Chininae and Biroellinae (Orthoptera, Eumastacidae). 2096
- Automated sexing of pupae and its usefulness in control by sterile insects. 2097
- INSECT GEOGRAPHY**
- The distribution of ants in central southern England. 1867
- New species of the *Sarcophaga* Meigen genus (Fam. Sarcophagidae, Diptera). 1890
- Australian Blattidae (Blattodea). VII. The Platyzosteria group; general remarks and revision of the subgenra Platyzosteria Brunner and Leptozosteria Tepper. 1894
- A survey of the scutacarid (Acari: Tarsonemini) fauna of Australia. 1895
- A new genus of Scelionidae (Hymenoptera) with austral disjunctive distribution. 1897
- Ticks from Turkey (Acari, Ixodidae). 1900
- Geographical variation in *Paprides nitidus* (Hutton) (Orthoptera: Acrididae). 2028
- The termites of Paris. 2383
- INSECT HARDINESS**
- Relative fitness of a third chromosome inversion in *Drosophila melanogaster*. 2084
- INSECT HISTOLOGY**
- Structure and function of the rectal pads in Hymenoptera. 1922
- Effects of malathion on the histophysiology of Malpighian tubules of *Periplaneta americana* (Linn.), Dictyoptera. 1925
- Description and distribution of the neurosecretory cells in brain and ventral ganglia of *Lethocerus indicum* Lep. et Serv. (Heteroptera-Belostomatidae). 1928
- Studies on the morphology of *Lethocerus indicum* Lep. and Serv. (Hemiptera--Heteroptera--Cryptocerata-Belostomatidae). Part V. The morphology of the stomodeal nervous system with special reference to the histology of the corpora cardiaca and allata. 1929
- Light-dark adaptation in acone apposition eyes of insects. 1954
- Observations on the histo-morphology of the labial glands in *Neodiprion sertifer* Geoffroy (Hymenoptera Diprionidae). 1961
- The fine structure of the cuticle. A contribution to the question of the protection against its own poison of the Madeira roach. 1971
- The structure of the spiracles of the cattle tick, *Boophilus microplus*. 1982
- Studies on the metamorphosis of the alimentary canal of *Hyalophora cecropia* (L.). 1992
- On the hormonal control of ovarian development in the female larva of the heterogonid gall gnat *Heteropeza pygmaea* Winnertz 1846 (Diptera, Cecidomyiidae). 2030
- Embryonic developmental mutations of the nullosomics and tetrasomics of the third chromosome of *Drosophila melanogaster*. 2089
- INSECT HORMONES**
- On the hormonal control of ovarian development in the female larva of the heterogonid gall gnat *Heteropeza pygmaea* Winnertz 1846 (Diptera, Cecidomyiidae). 2030
- INSECT IDENTIFICATION**
- New Old World genera of the Eurygeniini (Coleoptera: Anthicidae). 1862
- Orthopterological notes. XXII. The genus *Myrmecophilus* Berth. in Italy. 1866
- The Chironomidae of Florida. II. The nuisance species. 1868
- Contribution to the fauna of Congo (Brazzaville). Mission of A. Villiers and A. Descarpentries. LII. Lepidoptera Pieridae. 1869
- Contribution to the fauna of Congo (Brazzaville). Mission of A. Villiers and A. Descarpentries. L. Orthoptera Grylloidea. 1874
- Contribution to the fauna of Congo (Brazzaville). Mission of A. Villiers and A. Descarpentries. LIII. Homoptera Cicadidae. 1876
- The aphid fauna of Spitsbergen. 1880
- On some species of the genus *Arctosa* C. L. Koch and *Tricca* Simon (Araneae-Lycosidae). 1892
- Concerning knowledge of the order Periommatatus Chapuis (Coleoptera, Platypodidae). III. 1901
- Bionomics and taxonomy of Meloe (Coleoptera, Meloidae), with a classification of the New World species. 1903
- A review of the praying mantises of Ghana. (Dictyoptera Mantodea). 1905
- Revision of African Reduviidae. II. Harpactorinae. Genus *Nagusta* Stal. 1914
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- Flashes of Photuris fireflies: Their value and use in recognizing species. 2005
- The color change of *Poecilimon ornatus* Schmidt in the post-embryonic development. (Orthoptera-Tettigoniidae). 2017
- A new biotype of cabbage aphid (*Brevicoryne brassicae* (L.)) on aphid resistant rape (*Brassica napus* L.). 2220
- INSECT INFESTATION**
- The effect of aphid numbers and stage of plant growth in determining tolerance to barley yellow dwarf virus in cereals. 2179
- Effect of attack by *Costelytra zealandica* (White) larvae on ryegrass varieties. 2218
- A new biotype of cabbage aphid (*Brevicoryne brassicae* (L.)) on aphid resistant rape (*Brassica napus* L.). 2220
- An association between serum amylase phenotype and tick infestation in cattle. 2353
- INSECT MATING**
- Flashes of Photuris fireflies: Their value and use in recognizing species. 2005
- Competitive mating tests between normal and aspermic male house flies. 2035
- INSECT METABOLISM**
- A demonstration through symbiotic microorganisms of the effect of sterol synthesis in artificially fed aphids (Homoptera, Rhynchota, Insecta). 1955
- Changes in glycogen-, lipid-, and nitrogen metabolism of the imago of *Pyrrhocoris apterus* L. in connection with the reproduction process. 1989
- On the food utilization and digestion of major food nutrients in the lepidopterous larvae feeding on cauliflowers. 2009
- INSECT MIGRATION**
- Biology of the face fly: Migration of larvae. 1991
- The possibility of the occurrence of warm- and cold season relicts on the Zitzmannsdorf meadow at the Neusiedler lake. 1995
- Environmental factors regulating the diurnal vertical migration of *Chaoborus* larvae. 2000
- The color change of *Poecilimon ornatus* Schmidt in the post-embryonic development. (Orthoptera-Tettigoniidae). 2017
- INSECT MORPHOLOGY**
- Macrosiphum alpinum* n. sp. (Homoptera: Aphididae). 1898
- Wing micro-sculpturing in termite genera *Odonotermes*, *Hypotermes* and *Microtermes* (Termitidae: Macrotermitinae) and its taxonomic value. 1906
- The bark beetles of Greece and Cyprus. (249. Contribution to the morphology and taxonomy of the Scolytoidea). 1909
- A new species of *Elasmolomus* (Heteroptera: Lygacidae) from Australia. 1910
- The morphological basis of embryonic movements in the light brown apple moth, *Epiphyas postvittana* (Walk.) (Lepidoptera: Tortricidae). 1918
- Structure and function of the rectal pads in Hymenoptera. 1922
- Influence of changes in the cotton plant during the season on the feeding, oviposition, and development of the boll weevil. 1923
- Studies on the morphology of *Lethocerus indicum* Lep. and Serv. (Hemiptera--Heteroptera--Cryptocerata-Belostomatidae). Part V. The morphology of the stomodeal nervous system with special reference to the histology of the corpora cardiaca and allata. 1929
- The anatomy and physiology of the morahine grasshoppers. III. Muscles, nerves, tracheae, and genitalia. 1930
- Studies on the structure of the head, mouth-parts and their musculature in *Hippobosca maculata* Leach (Diptera: Pupipara). 1951
- Observations on the histo-morphology of the labial glands in *Neodiprion sertifer* Geoffroy (Hymenoptera Diprionidae). 1961
- On the spiracles of the larvae of the suborder Myxophaga (Coleoptera). 1981

INSECT MUTATION

- The structure of the spiracles of the cattle tick, *Boophilus microplus*. 1982
- Structure and ecdysial process of the larval spiracles of the Scarabaeoidea, with special reference to those of Lepidodermata. 1983
- Investigation into a conditional host modification by the ichneumonid fly *Perithous divinator* (Rossi) (Hym., Ichneumonidae). 1984
- Studies on the metamorphosis of the alimentary canal of *Hyalophora cecropia* (L.). 1992
- The life history of *Tribolium castaneum* (Herbst) (Coleoptera, Tenebrionidae). 1994
- Developmental changes in the late larva of *Caliphora stygia*. I. Haemolymph. 1998
- The presence waxes in two kinds of lac cells. 2006
- The embryonic development of the brain in paurometabolic insects. A study on *Carausius morosus* and *Periplaneta americana*. 2007
- Morphology of the head capsule and its appendages of *Stenothorus gilvifrons* Mulsant (Coleoptera: Coccinellidae). 2010
- Linkage studies of aldrin resistance in *Blattella germanica* (L.). 2011
- Histopathology of the developing reproductive system of *Aedes stimulans* (Walker) (Diptera: Culicidae) under thermal stress. 2026
- Geographical variation in *Papirides nitidus* (Hutton) (Orthoptera: Acrididae). 2028
- Morphological and histochemical study of the scent gland in the pond-skater, *Gerris spinolae* Leth. et Seu. (Gerridae-Insecta). 2032
- Structures of unknown, possibly stridulatory, function of the wings and body of Neuroptera; with an appendix on other endopterygote orders. 2034
- A morphological and functional study of the venom apparatus in representatives of some major groups of Hymenoptera. 2036
- Organogenesis of the female reproductive system of an aedine mosquito. 2038
- Investigation into the appearance of the three castes in the honeybee colony. 2040
- On the morphology and the bionomics of the insects of economic importance. II. Head appendages in *Alphitobius diaperinus* (Panz.) (Tenebrionidae, Coleoptera). 2043
- Head capsule of *Alphitobius diaperinus* (Panz.) (Tenebrionidae-Coleoptera). 2044
- Photoperiodic induction of vernal phenotype in *Pieris protodice* Boisduval and Le Conte (Lepidoptera: Pieridae). 2047
- The free amino acid pattern in tissues of silkworm during development. 2049
- Morphology of the head capsule of *Aelia rostrata* Boh. (Hemiptera: Pentatomidae). 2051
- Evolutionary morphology of insect genitalia as exemplified by the sawfly *Euura* (Hymenoptera: Tenthredinidae). 2052
- Fatty acids in *Hyalophora cecropia*: Biosynthesis and constitution during development. 2055

- Neural adaptations in the visual pathway of certain heliconiine butterflies, and related forms, to variations in wing coloration. 2060
- Studies on the morphology and relationships of male *Apiomorpha* and *Opisthoscelis* (Hemiptera: Coccoidea). 2061
- The use of imaginal disks for the determination of the developmental stage of larvae of *Chironomus* (Dipt.). 2071
- Genetic and cytogenetic relationships among certain nearctic anophelines. 2083
- An oak leaf tier, *Croesia semipurpurana* (Kft.) (Lepidoptera: Tortricidae) in the region of Quebec. 2212
- Hymenoptera and nematodes as parasites of *Tachyporus* species (Col.; Staphylinidae) with special consideration of *Centistes lucidator* (Nees) (Hym.; Braconidae). 2223

INSECT MUTATION

- Linkage studies of aldrin resistance in *Blattella germanica* (L.). 2011
- Autonomous pleiotropy in *Drosophila*. 2091

INSECT NEUROPHYSIOLOGY

- Description and distribution of the neurosecretory cells in brain and ventral ganglia of *Lethocerus indicum* Lep. et Serv. (Heteroptera: Belostomatidae). 1928
- Some observations on chemoreception in the antennae of the centipede, *Scolopendra subspinipes* Leach (Mandibulata-Chilopoda). 2062

INSECT NUTRITION

- Hints on the permanent rearing of *Dacus oleae* Gmelin (Diptera, Tephritidae) in the laboratory. 1938
- A demonstration through symbiotic microorganisms of the effect of sterol synthesis in artificially fed aphids (Homoptera, Rhynchotha, Insecta). 1955
- The feeding of the mole cricket and its effect on outbreaks and control. 1973
- Performance of the English grain aphid on sterilized and unsterilized artificial diet. 2059
- An artificial diet for larvae and adults of *Chrysopa carnea*, an insect predator of crop pests. 2063
- Feeding stimulants from plants for larvae of the tobacco budworm and bollworm. 2216

INSECT OUTBREAKS

- A note on the outbreak of the Bombay locust, *Patanga succincta*, *Cyrtacanthacrinae*, Acrididae, in the Laccadive Islands during 1967. 1939
- Studies on the attack behavior of the southern pine beetle. III. Sequence of tree infestation within stands. 1966
- Biotic factors involved in crucifer aphid outbreaks following insecticide application. 2039
- Insect and host factors in the aggregation of the southern pine beetle. 2065
- Damage by the strawberry spider mite to cotton when infestations commenced at the beginning, middle, and end of the flowering period. 2228

INSECT PESTS

- Standardized procedures adopted for cooperative Ohio Valley States alfalfa weevil research. 1920

- A note on the outbreak of the Bombay locust, *Patanga succincta*, *Cyrtacanthacrinae*, Acrididae, in the Laccadive Islands during 1967. 1939
- Studies on the attack behavior of the southern pine beetle. II. Response to attractive host material. 1943
- The control of some species of pest insects by *Bacillus thuringiensis*. 1953
- A field test comparing resistant varieties plus applications of polyhedral virus with insecticides for control of *Heliothis* spp. and other pests of cotton, 1967. 1962
- Biological notes on *Spilonota ocellana* Denis and Schiffermuller (Lepidoptera Tortricidae) in the foothill region of Friuli and preliminary indications on the factors adverse to its development. 1970
- The feeding of the mole cricket and its effect on outbreaks and control. 1973
- Population assessment of cotton hollyworm in relation to pest control practices. 1974
- Development and perspectives of biological control. 1976
- Mass rearing technique of rice gall midge (*Pachytiplosis oryzae* Wood-Mason) and notes on its biology. 2002
- Isolation of a sex pheromone of the codling moth. 2013
- Artificial sex pheromones for the codling moth. 2014
- Sampling to detect economic infestations of *Limonius* spp. 2022
- Records of predators and parasites naturally prevalent in the Gujarat state. 2024
- Certain minor crop pests hitherto unrecorded from the Gujarat state. 2025
- A laboratory evaluation of baits and chemosterilants on the little house fly. 2027
- Effect of droplet size on persistence of ULV malathion and comparison of toxicity of ULV and EC malathion to tobacco budworm larvae. 2031
- Biotic factors involved in crucifer aphid outbreaks following insecticide application. 2039
- An annotated list of hymenopterous parasites of citrus soft scales in Israel. 2041
- Morphology of the head capsule of *Aelia rostrata* Boh. (Hemiptera: Pentatomidae). 2051
- Hourly and seasonal collections of six harmful insects in traps equipped with blacklight lamps. 2056
- Measuring newly hatched phytophagous larvae in the field or greenhouse. 2058
- An artificial diet for larvae and adults of *Chrysopa carnea*, an insect predator of crop pests. 2063
- Preliminary results of attempts to form the advisory board for integrated plant protection. 2113
- Annotated list of insects infesting bark and wood of Fraser fir. 2200
- Leaf changes brought about by *Empoasca flavescens* F. (Hom. Typhlocyidae) on apple trees. 2203

- A mass screening procedure for isolating alfalfa seedlings with resistance to the alfalfa weevil. **2204**
- Chemical control of mango hoppers (*Idiocerus* spp.). **2211**
- Male boll weevils are more attractive than cotton plants to boll weevils. **2217**
- Aphids and leafhoppers found on red clover in eastern Washington. **2221**
- Interaction of a fungus gnat, *Bradysia* sp. (*Sciaridae*) with *Fusarium* spp. on alfalfa and red clover. **2222**
- Distribution of hibernating larvae of the western budworm, *Choristoneura occidentalis*, on Douglas-fir in Colorado. **2226**
- End of squaring as an economic indicator of approximate time to end insecticidal treatments for boll weevil control. **2227**
- Damage by the strawberry spider mite to cotton when infestations commenced at the beginning, middle, and end of the flowering period. **2228**
- Insecticidal control of the sugarcane borer in corn. **2229**
- Fumigation of food grains in India with hydrogen phosphide. I. Tests in concrete bins. **2230**
- Inundative releases of *Chrysopa carnea* for control of *Heliothis* on cotton. **2231**
- A technique for evaluating varietal resistance of castor to castor jassid (*Empoasca flavescens* Fabricius). **2232**
- Control of the northern fowl mite on laying hens with Shell SD-8447. **2358**
- Campaign against stored grain pests in villages of IADP District Ludhiana. **2382**
- INSECT PHYSIOLOGY**
- On some species of the genus *Aretosa* C. L. Koch and *Tricca* Simon (*Araneae-Lycosidae*). **1892**
- First reports on the ultrastructure of the alimentary canal of a pseudoscorpion. **1921**
- Structure and function of the rectal pads in Hymenoptera. **1922**
- Effects of malathion on the histophysiology of Malpighian tubules of *Periplaneta americana* (Linn.), Dictyoptera. **1925**
- The anatomy and physiology of the morahine grasshoppers. III. Muscles, nerves, tracheae, and genitalia. **1930**
- The function of the accessory sex glands in *Periplaneta americana* (L.), I. A quantitative bioassay for the juvenile hormone. **1933**
- Behavioral and physiological aspects of mating and oviposition by the adult western corn rootworm, *Diabrotica virgifera* LeConte. **1936**
- The distribution of radioactive strontium, cesium and iodine in the bodies of some insects. **1937**
- Energy metabolism in insects. **1941**
- The anal glands of *Gryllotalpa gryllotalpa* L. ultrastructure and histochemistry. **1948**
- Light-dark adaptation in accone apposition eyes of insects. **1954**
- Observations on the histo-morphology of the labial glands in Neodiprion sertifer Geoffroy (Hymenoptera Diprionidae). **1961**
- Differential sensitivity of the larvae of *Lymantria dispar* L. to achromatic stimuli of varied distinctiveness. **1964**
- The fine structure of the cuticle. A contribution to the question of the protection against its own poison of the Madeira roach. **1971**
- On the fine structure of insect cuticle. A contribution to the question of the characteristic protection against toxins of the Hemiptera cuticle. **1972**
- Principles of crowding effect in *Aphis gossypii* Glover (Aphididae, Homoptera). **1975**
- Developmental performance of embryonic blastemas of *Drosophila* after culture in the adult host. **1977**
- Effect of radiofrequency electric field treatment on protein metabolism in yellow mealworm larvae. **1993**
- The role of moisture in the winter survival of the boll weevil complex in Arizona. **2001**
- Mass rearing technique of rice gall midge (*Pachydiplosis oryzae* Wood-Mason) and notes on its biology. **2002**
- The presence waxes in two kinds of lac cells. **2006**
- Studies on the physiology of the fat body of *Pyrrhocoris apterus* L. **2008**
- Histochemistry and ultrastructure of the feminine genital ducts of *Gryllotalpa gryllotalpa* L. **2016**
- The color change of *Poecilimon ornatus* Schmidt in the post-embryonic development. (Orthoptera-Tettigoniidae). **2017**
- The development of the thorax muscles of *Periplaneta* after cutting of individual nerves. Preliminary report. **2021**
- A comparative study of communication in grasshoppers. **2023**
- Histopathology of the developing reproductive system of *Aedes stimulans* (Walker) (Diptera: Culicidae) under thermal stress. **2026**
- On the hormonal control of ovarian development in the female larva of the heterogonid gall gnat *Heteropeza pygmaea* Winnertz 1846 (Diptera, Cecidomyiidae). **2030**
- Organogenesis of the female reproductive system of an aedine mosquito. **2038**
- The free amino acid pattern in tissues of silk-worm during development. **2049**
- Morphology of the head capsule of *Aelia rostrata* Boh. (Hemiptera: Pentatomidae). **2051**
- Measuring newly hatched phytophagous larvae in the field or greenhouse. **2058**
- Neural adaptations in the visual pathway of certain heliconine butterflies, and related forms, to variations in wing coloration. **2060**
- Influence of aging on the rate of incorporation of tritiated thymidine in the nurse cells of *Drosophila melanogaster*. **2068**
- Physiological bases for the luring and catching of insects. **2069**
- INSECT POPULATION STATISTICS**
- Temporal distribution of *Tribolium castaneum* Herbst and *Cadra cautella* Walker on temperature gradients. **1917**
- Aggregation of German cockroach (*Blattella germanica*) nymphs. **1988**
- INSECT POPULATIONS**
- Flight and ground collection records of *Costelytra zealandica* (White) at a site in Canterbury, New Zealand. **1996**
- The effect of climatic integrants on population fluctuations of the Columbian timber beetle *Corthylus columbianus* Hopkins (Coleoptera: Scolytidae). **2015**
- Population dynamics of the common horseflies and deerflies (*Tabanidae*: Diptera) breeding on a New Jersey salt marsh. **2037**
- The ecology of a natural population of the Queensland fruit fly, *Dacus tryoni*. I. The parameters of the pupal and adult populations during a single season. **2205**
- INSECT PROTECTIVE DEVICES**
- The fine structure of the cuticle. A contribution to the question of the protection against its own poison of the Madeira roach. **1971**
- On the fine structure of insect cuticle. A contribution to the question of the characteristic protection against toxins of the Hemiptera cuticle. **1972**
- INSECT REARING**
- Behavioral and physiological aspects of mating and oviposition by the adult western corn rootworm, *Diabrotica virgifera* LeConte. **1936**
- Hints on the permanent rearing of *Dacus oleae* Gmelin (Diptera, Tephritidae) in the laboratory. **1938**
- Performance of laboratory-reared and artificially inseminated honey bee queens. **1950**
- Dispersal and local distribution of laboratory-reared sterile screw-worm flies released in winter. **1980**
- Mass rearing technique of rice gall midge (*Pachydiplosis oryzae* Wood-Mason) and notes on its biology. **2002**
- Transmission of a mosquito iridescent virus in *Aedes taeniorhynchus*. I. Laboratory experiments. **2003**
- Transmission of a mosquito iridescent virus in *Aedes taeniorhynchus*. II. Experiments related to transmission in nature. **2004**
- Laboratory rearing of aphids. **2019**
- Heat-extraction technique for recovery of potato tuberworm larvae from potato tubers. **2029**
- Performance of the English grain aphid on sterilized and unsterilized artificial diet. **2059**
- An artificial diet for larvae and adults of *Chrysopa carnea*, an insect predator of crop pests. **2063**
- The ecology of *Sminthurus viridis* (Collembola). II. Diapause in the aestivating egg. **2066**
- Biology of the robber fly *Eutolmus rufiharbis* Mg. (Diptera, Asilidae) in Khabarovsk Territory. **2072**

INSECT REPELLENTS

- Effectiveness of regular cycles of intermittent artificial selection for a quantitative character in *Drosophila melanogaster*. 1887
- Cytogenetics of the viatica group of morabine grasshoppers. I. The coastal species. 2095

INSECT REPELLENTS

- An automated repellency-assay system. II. A new electronic bitometer-timer. 1861

INSECT REPRODUCTION

- Changes in glycogen-, lipid-, and nitrogen metabolism of the imago of *Pyrrhocoris apterus* L. in connection with the reproduction process. 1989

INSECT TAXONOMY

- New Old World genera of the Eurygeniini (Coleoptera: Anthicidae). 1862
- A unique female specimen from upper Burma: A new genus and species of Micrellytrinae (Hemiptera: Alydidae). 1863
- Some species of *Pediobius* Walker (Hymenoptera, Eulophidae) inhabiting cynipid oak galls. 1864
- Supplement to the revision of the west-palearctic Ichneumonidae Scambus Htg. 1865
- Orthopterological notes. XXII. The genus *Myrmecophilus* Berth. in Italy. 1866
- The Chironomidae of Florida. II. The nuisance species. 1868
- Contribution to the fauna of Congo (Brazzaville). Mission of A. Villiers and A. Descarpentries. LII. Lepidoptera Pieridae. 1869
- As yet unknown Dolichopodidae (Dipt.) for the Bulgarian fauna. 1870
- A numerical taxonomy of orthopteroid insects. 1871
- New longicorns of the Museum of Natural History at Geneva. 1872
- A new species of *Otidocerus* (Philopteridae, Mallophaga). 1873
- Contribution to the fauna of Congo (Brazzaville). Mission of A. Villiers and A. Descarpentries. L. Orthoptera Grylloidea. 1874
- On the knowledge of the Ephydriidae (Diptera, Brachycera) from eastern Siberia. 1875
- Contribution to the fauna of Congo (Brazzaville). Mission of A. Villiers and A. Descarpentries. LIII. Homoptera Cicadidae. 1876
- A contribution to the knowledge of the Braconidae of Spain. I. New discoveries of genera and species. 1877
- New larvae of Trombiculidae (Acaridae), parasites on the mammals of Rumania. 1878
- On the subgenus *Opacifrons* Duda of the genus *Leptocera* Olivier (Diptera, Sphaeroceridae) with a description of a new species from northern Fennoscandia. 1879
- The aphid fauna of Spitzbergen. 1880
- New Mymaridae (Hymenoptera, Chalcidoidea) fauna for Finland. 1881
- Platygasterid discoveries from Finland (Hymenoptera, Proctotrupoidea). 1882
- A new Anurophorinid genus from northeast Brazil (Ins., Collembola). 1884

- Heteroptera catch from the island of Crete. 1886
- Some remarks concerning sphinx moth catches on the island of Sumatra. Supplementary information concerning the knowledge of sphinx moths (II) (Lep. Sphingidae). 1887
- New species of horn mites (Acariformes, Aribatei) from the Caucasus and Transcaucasia. 1889
- New species of the Sarcophaga Meigen genus (Fam. Sarcophagidae, Diptera). 1890
- The Finnish Empira-species (Hymenoptera, Symphyta). 1891
- On some species of the genus *Arctosa* C. L. Koch and *Tricca* Simon (Araneae-Lycosidae). 1892
- The North American Aegeriidae (Lepidoptera): A revision based on late-in tar larvae. 1893
- Australian Blattidae (Blattodea). VII. The Platyzosteria group; general remarks and revision of the subgenera *Platyzosteria* Brunner and *Leptozosteria* Tepper. 1894
- Notes on cerambycinae (Col. Cerambycidae). 1896
- A new genus of Scelionidae (Hymenoptera) with austral disjunctive distribution. 1897
- Macrosiphum alpinum* n. sp. (Homoptera: Aphididae). 1898
- Ticks from Turkey (Acari, Ixodidae). 1900
- Concerning knowledge of the order Periommatidae (Coleoptera, Platypodidae). III. 1901
- A new species of Heterocerini (Coleoptera: Heteroceridae). 1902
- Bionomics and taxonomy of *Meloe* (Coleoptera, Meloidae), with a classification of the New World species. 1903
- On some Steninae from the Helsinki Zoological Museum (Coleoptera, Staphylinidae). (43. Contribution to the knowledge of the Steninae). 1904
- A review of the praying mantises of Ghana. (Diptoptera Mantodea). 1905
- Wing micro-sculpturing in termite genera *Odonotermes*, *Hypotermes* and *Microtermes* (Termitidae: Macrotermitinae) and its taxonomic value. 1906
- Iconography of the eggs of the Lepidoptera fauna of Belgium. 1907
- Some interesting Noctuidae finds from the Tessa. 1908
- The bark beetles of Greece and Cyprus. (249. Contribution to the morphology and taxonomy of the Scolytoidea). 1909
- A new species of *Elasmolomus* (Heteroptera: Lygaeidae) from Australia. 1910
- An old find of *Entomotrogus megatomoides* Rtt. (Coleoptera, Dermestidae) from Finland. 1913
- Revision of African Reduviidae. II. Harpactorinae. Genus *Nagusta* Stal. 1914
- Megacoelum Fieber, 1858 (Hem. Het. Miridae). 1915
- Two new Orthops-species from north Africa (Heteroptera, Miridae). 1916

- A remarkable tick found on a tarsier (Heterocoptidae f. n.: Sarcopitiformes). 1957

INSECT TEMPERATURE

- An oak leaf tier, *Croesia semipurpurana* (Kft.) (Lepidoptera: Tortricidae) in the region of Quebec. 2212

INSECT TRAPS

- Trapping for control of the Mexican fruit fly in mango and citrus groves. 1924
- Attraction of female boll weevils to traps baited with males or extracts of males. 1945
- Biological factors influencing responses of the female boll weevil to the male sex pheromone in field and large-cage tests. 1978
- Hourly and seasonal collections of six harmful insects in traps equipped with blacklight lamps. 2056
- Physiological bases for the luring and catching of insects. 2069
- Male boll weevils are more attractive than cotton plants to boll weevils. 2217

INSECT VECTORS

- Orthopterological notes. XXII. The genus *Myrmecophilus* Berth. in Italy. 1866
- Specificity of insect viruses. 1987
- Laboratory rearing of aphids. 2019
- Gross variations in the response to man among yellow-fever mosquito populations in the laboratory. 2098
- Line pattern disease of raspberry. 2118
- Properties of a virus causing pokeweed mosaic. 2173
- The effect of aphid numbers and stage of plant growth in determining tolerance to barley yellow dwarf virus in cereals. 2179
- Dutch elm disease detected in Mississippi. 2195
- Greenhouse studies of host plant suitability to *Graminella nigrifrons*, a vector of corn stunt virus. 2206
- Transmission of maize dwarf mosaic by the greenbug, *Schizaphis graminum*. 2214
- Interaction of a fungus gnat, *Bradysia* sp. (Scliaridae) with *Fusarium* spp. on alfalfa and red clover. 2222
- Aphid populations in relation to tristeza in Florida citrus. 2235
- Materials on the epidemiology of tick-borne encephalitis in the zone of construction of Sayano-Shushenskaya hydropower station. 2289
- Eradication efforts against tropical bont tick, *Amblyomma variegatum* in the Virgin Islands. 2354

INSECTICIDE APPLICATION

- Vacuum cleaner for use with granular applicators in fieldplot work. 1858
- Pre-bloom oil sprays for European red mite control. 1932
- Biotic factors involved in crucifer aphid outbreaks following insecticide application. 2039

- End of squaring as an economic indicator of approximate time to end insecticidal treatments for boll weevil control. 2227
- Aerial applications of PIB-7 and malathion to suppress populations of *Anastrepha suspensa*. 2234
- Method of controlling and eradicating mites. Patent 3,427,385. 2237
- Control of the northern fowl mite on laying hens with Shell SD-8447. 2358
- An accurate and safe hand-operated, vehicle-mounted applicator for granular insecticides in seed orchards. 2469
- INSECTICIDE RESIDUES**
 - Baygon in field tests against German cockroaches. 1935
 - The residual contact toxicity to honey bees of insecticides sprayed on to white clover (*Trifolium repens* L.) in the laboratory. 1942
 - A comparison and evaluation of residual, oral and topical treatments of tepa, tris (1-aziridinyl) phosphine oxide, used to sterilize German cockroaches *Blattella germanica* (Linnaeus). 1965
 - Effects of simulated rain and dew on the toxicity of certain ultra-low-volume insecticidal spray formulations. 2020
 - Notice of filing of petition regarding pesticide chemicals. 2390
 - The effect of even or uneven applications of DDT prills to pasture on DDT residues in stock. 2402
 - Heptachlor residues in soil, pasture, and stock resulting from the treatment of soil or pasture with heptachlor granules. 2424
 - The early effects of low DDT doses on the nervous system in animal experiments. 2428
 - Response of cotton plant to certain combinations of fertilizers and Metaisosystox. 2447
- INSECTICIDE RESISTANT INSECTS**
 - The control of some species of pest insects by *Bacillus thuringiensis*. 1953
 - Aliphatic amines against insecticide-susceptible and resistant strains of *Culex pipiens quinquefasciatus* and *Anopheles albimanus*. 1968
 - Chambers for incubating individual insect eggs and egg parasites. 2054
 - Inheritance and biochemistry of OP-RESISTANCE in a New York strain of the two-spotted spider mite. 2080
 - Inheritance of resistance to organophosphorus acaricides in the cattle tick, *Boophilus microplus*. 2092
 - Brain cholinesterase activity and its inheritance in cattle tick (*Boophilus microplus*) strains resistant and susceptible to organophosphorus acaricides. 2093
- INSECTICIDES**
 - Vacuum cleaner for use with granular applicators in fieldplot work. 1858
 - Effects of malathion on the histophysiology of Malpighian tubules of *Periplaneta americana* (Linn.), Dictyoptera. 1925
 - Pre-bloom oil sprays for European red mite control. 1932
- Baygon in field tests against German cockroaches. 1935
- The residual contact toxicity to honey bees of insecticides sprayed on to white clover (*Trifolium repens* L.) in the laboratory. 1942
- Selection methods for pathogenic forms of microorganisms. 1956
- Control tests against *Dacus oleae* Gmel. in the coastal region of Tuscany during 1965. 1960
- Linkage studies of aldrin resistance in *Blattella germanica* (L.). 2011
- Laboratory evaluation of several new insecticides for control of the pale western cutworm. 2012
- Laboratory and field evaluation of larvicides against chironomid midges. 2018
- Effects of simulated rain and dew on the toxicity of certain ultra-low-volume insecticidal spray formulations. 2020
- Sampling to detect economic infestations of *Limoniuss* spp. 2022
- Effect of droplet size on persistence of ULV malathion and comparison of toxicity of ULV and EC malathion to tobacco budworm larvae. 2031
- Biotic factors involved in crucifer aphid outbreaks following insecticide application. 2039
- Studies on the effect of commercial formulations of some organophosphorous insecticides on the cotton leaf worm, *Prodenia litura* F. under field conditions. 2073
- The effects of IPC, CIPC, Sevin and Zectran on *Bacillus subtilis*. 2132
- A laboratory comparison of the effects of some insecticides on the Argentine stem weevil (*Hyperodes bonariensis* Kuschel) (Coleoptera: Curculionidae). 2207
- End of squaring as an economic indicator of approximate time to end insecticidal treatments for boll weevil control. 2227
- Insecticidal control of the sugarcane borer in corn. 2229
- Metabolic studies with O,O-diethyl O-(3,5,6-trichloro-2-pyridyl) phosphorothioate (dursban) insecticide in a lactating cow. 2296
- Insecticidal drug containing lindane. Drugs for veterinary use; drug efficacy study implementation announcement. 2355
- Oxidative metabolism of phosphamidon in rats and a goat. 2388
- Notice of filing of petition regarding pesticide chemicals. 2390
- Notice of filing of petition regarding pesticide chemicals. 2392
- Notice of filing of petition regarding pesticide chemicals. 2393
- Notice of filing of petitions regarding pesticide chemicals and food additives. 2396
- Degradation of DDT in Atlantic salmon (*Salmo salar*). 2400
- Notice of filing of petition regarding pesticide chemicals. 2412
- Notice of filing of petition regarding pesticide chemicals. 2414
- Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. O-ethyl S-phenyl ethylphosphonodithioate. 2416
- Behavior of DDT in potatoes during commercial and home preparation. 2418
- Use of carbon to reduce uptake of insecticidal soil residues by crop plants. Effects of carbon on insecticide adsorption and toxicity in soils. 2419
- Residues of organochlorine insecticides in dead birds in the United Kingdom. 2422
- Effect of soil systemic insecticides on flavor and residue in coffee. 2423
- Response of cotton plant to certain combinations of fertilizers and Metaisosystox. 2447
- Epoxidation of aldrin by plant materials. 2457
- An accurate and safe hand-operated, vehicle-mounted applicator for granular insecticides in seed orchards. 2469
- INSECTS**
 - Energy metabolism in insects. 1941
 - On a known and some new species of insect nematodes. 1959
- INTEGRATED CONTROL (INSECTS)**
 - A field test comparing resistant varieties plus applications of polyhedral virus with insecticides for control of *Heliothis* spp. and other pests of cotton, 1967. 1962
 - Development and perspectives of biological control. 1976
- INTEGRATED CONTROL (PESTS)**
 - Conclusions and resolutions of the general assembly of the International Commission for the Biological Control of Plant Pests (C. I. L. B.). Tunis, March 26-April 4, 1962. 2105
- INTERNATIONAL COOPERATION**
 - Conclusions and resolutions of the general assembly of the International Commission for the Biological Control of Plant Pests (C. I. L. B.). Tunis, March 26-April 4, 1962. 2105
- INTERSTATE COMMERCE**
 - Domestic quarantine notices. Cereal leaf beetle. 2201
- INTESTINES**
 - The distribution of radioactive strontium, cesium and iodine in the bodies of some insects. 1937
 - Equine protozoan diarrhea (equine intestinal Trichomoniasis) at Trinidad racetracks. 2278
 - Failure of oral *Escherichia coli* endotoxin to induce either specific tolerance or toxic symptoms in rats. 2280
 - Release of an acetylcholine-like substance from guinea pig ileum by scorpion venom. 2429
- IODINE**
 - Metabolism of blood proteins in hens during natural and artificial moulting. 2310
- IODINE ISOTOPES**
 - The distribution of radioactive strontium, cesium and iodine in the bodies of some insects. 1937
- IONS**
 - Stabilization of animal and poultry feeds containing a tetracycline antibiotic. Patent 3,427,166. 2264

SUBJECT INDEX

IPC

Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Coordination product of zinc ion and maneb.

2406

IPC

The effects of IPC, CIPC, Sevin and Zectran on *Bacillus subtilis*.

2132

IPOMOEA

Selective action of chloroxuron on soybean and morningglory.

2448

IRIDESCENT VIRUS

Transmission of a mosquito iridescent virus in *Aedes taeniorhynchus*. I. Laboratory experiments.

2003

Transmission of a mosquito iridescent virus in *Aedes taeniorhynchus*. II. Experiments related to transmission in nature.

2004

IRRADIATION

Pyrimidine hydrates and dimers in ultraviolet-irradiated tobacco mosaic virus ribonucleic acid.

2178

Failure of oral *Escherichia coli* endotoxin to induce either specific tolerance or toxic symptoms in rats.

2280

Thin-layer chromatography of bromacil residues in soils.

2401

IRRIGATION

Epidemiology and prevention of bacterial blight disease of rice in India.

2183

Effects of lindane and carharyl on insects, soil and plant nitrogen, and grain yield of rice.

2445

ISOBENZAN

Effects of isobenzan on soil fauna and soil structure.

2404

ISOLATES

Bacteriophage reactions and pathogenic spectra of *Xanthomonas* species to cotton.

2135

ISOPROPOXYPHENYL METHYLCARBAMATE, O

Baygon in field tests against German cockroaches.

1935

ISOTOPES

Kinetics of viral deoxyribonucleic acid, protein, and infectious particle production and alterations in host macromolecular syntheses in equine abortion (Herpes) virus-infected cells.

2327

IXODES PERSULCATUS

Materials on the epidemiology of tick-borne encephalitis in the zone of construction of Sayano-Shushenskaya hydropower station.

2289

IXODIDAE

Ticks from Turkey (Acari, Ixodidae).

1900

IXODIDES

Materials on the epidemiology of tick-borne encephalitis in the zone of construction of Sayano-Shushenskaya hydropower station.

2289

JUVENILE HORMONE

The function of the accessory sex glands in *Periplaneta americana* (L.). I. A quantitative bioassay for the juvenile hormone.

1933

KALANCHOE

Crown gall tumors in various species and hybrids of *Kalanchoideae*.

2122

KERATINS

Metabolism of blood proteins in hens during natural and artificial moulting.

2310

KERRIA

The presence waxes in two kinds of lac cells.

2006

KIDNEY BEANS

The influence of a small application of manure near the seeds on the plant's resistance to infection by nematodes.

2240

KIDNEYS

Attenuated infectious canine hepatitis live virus vaccine and method of producing same. Patent 3,432,391.

2298

Toxoplasma gondii in tissue culture and maintenance at low temperatures.

2363

KINETICS

Kinetics of viral deoxyribonucleic acid, protein, and infectious particle production and alterations in host macromolecular syntheses in equine abortion (Herpes) virus-infected cells.

2327

KINETIN

Kinetin-like substances produced by plant tumors.

2125

KLEBSIELLA PNEUMONIAE

Pulmonary diseases of pig in Madagascar.

2335

LABELING

Bacteriophage labeling of *Pseudomonas syringae*.

2134

LABORATORY ANIMALS

A boll weevil oviposition suppression factor in cotton.

2208

Nature of the water-soluble metabolites of carbaryl in bean plants and their fate in rats.

2267

Aflatoxin metabolism by liver microsomal preparations of two different species.

2332

The pathogenesis of experimental distemper in mice.

2350

Effects of DDT on brain electrical activity in awake, unrestrained rats.

2352

Toxoplasma gondii in tissue culture and maintenance at low temperatures.

2363

Immunological studies on experimental ascariasis.

2378

The effect of DDT in the diet on the resting and loading electrocorticogram record.

2430

Toxicity of fentin hydroxide to rats.

2431

LAC

The presence waxes in two kinds of lac cells.

2006

LARIX LARICINA

Arceuthobium pusillum on eastern larch in Wisconsin.

2257

LARVAE

New larvae of *Trombiculidae* (Acaridae), parasites on the mammals of rumania.

1878

The North American *Aegeriidae* (Lepidoptera): A revision based on late-in tar larvae.

1893

Variations of nucleic acid content in the salivary glands of *Drosophila hydei* during late larval development.

1949

Differential sensitivity of the larvae of *Lymantria dispar* L. to achromatic stimuli of varied distinctiveness.

1964

Aliphatic amines against insecticide-susceptible and resistant strains of *Culex pipiens quinquefasciatus* and *Anopheles albimanus*.

1968

Biological notes on *Spilonota ocellana* Denis and Schiffermuller (Lepidoptera Tortricidae) in the foothill region of Friuli and preliminary indications on the factors adverse to its development.

1970

Population assessment of cotton bollworm in relation to pest control practices.

1974

Developmental performance of embryonic blastemas of *Drosophila* after culture in the adult host.

1977

On the spiracles of the larvae of the suborder Myxophaga (Coleoptera).

1981

Aggregation of German cockroach (*Blattella germanica*) nymphs.

1988

Biology of the face fly: Migration of larvae.

1991

Studies on the metamorphosis of the alimentary canal of *Hyalophora cecropia* (L.).

1992

Effect of radiofrequency electric field treatment on protein metabolism in yellow mealworm larvae.

1993

Developmental changes in the late larva of *Calliphora stygia*. I. Haemolymph.

1998

Environmental factors regulating the diurnal vertical migration of *Chaoborus* larvae.

2000

Transmission of a mosquito iridescent virus in *Aedes taeniorhynchus*. I. Laboratory experiments.

2003

Transmission of a mosquito iridescent virus in *Aedes taeniorhynchus*. II. Experiments related to transmission in nature.

2004

On the food utilization and digestion of major food nutrients in the lepidopterous larvae feeding on cauliflowers.

2009

The color change of *Poecilimon ornatus* Schmidt in the post-embryonic development. (Orthoptera-Tettigoniidae).

2017

Laboratory and field evaluation of larvicides against chironomid midges.

2018

Heat-extraction technique for recovery of potato tuberworm larvae from potato tubers.

2029

Effect of droplet size on persistence of ULV malathion and comparison of toxicity of ULV and EC malathion to tobacco budworm larvae.

2031

Population dynamics of the common horseflies and deerflies (Tabanidae: Diptera) breeding on a New Jersey salt marsh.

2037

Organogenesis of the female reproductive system of an aedine mosquito.

2038

The free amino acid pattern in tissues of silkworm during development.

2049

Measuring newly hatched phytophagous larvae in the field or greenhouse.

2058

An artificial diet for larvae and adults of *Chrysopa carnea*, an insect predator of crop pests.

2063

The use of imaginal disks for the determination of the developmental stage of larvae of *Chironomus* (Dipt.).

2071

- Aspects of RNA and protein synthesis in imaginal discs of *Drosophila melanogaster*. 2078
- Developing alfalfa resistant to alfalfa weevil oviposition. 2101
- Leaf pubescence in common wheat, *Triticum aestivum* L., and resistance to the cereal leaf beetle, *Oulema melanopus* (L.). 2111
- An oak leaf tier, *Croesia semipurpurana* (Kft.) (Lepidoptera: Tortricidae) in the region of Quebec. 2212
- Consideration of the problems raised by the recent cecidomyiid attack on corn flowers. 2213
- Rhyacia augur* F. and other climbing cutworms (Lepidoptera). 2215
- Feeding stimulants from plants for larvae of the tobacco budworm and bollworm. 2216
- Effect of attack by *Costelytra zealandica* (White) larvae on ryegrass varieties. 2218
- Distribution of hibernating larvae of the western budworm, *Choristoneura occidentalis*, on Douglas-fir in Colorado. 2226
- Survival of soybean cyst nematodes in seed bags. 2243
- Concerning the larva *migrans visceralis* of *Ascaris lumbricoides* in the experimental host (mice). 2360
- The effect of tetramisole on *Muellierius capillaris* in goats. 2374
- Immunological studies on experimental ascariasis. 2378
- LARVICIDES
- Laboratory and field evaluation of larvicides against chironomid midges. 2018
- Population dynamics of the common horseflies and deerflies (Tabanidae: Diptera) breeding on a New Jersey salt marsh. 2037
- LASIOCAMPIDAE
- Comparative chromatographic investigations of Arthropod cocoons. 1931
- LATE BLIGHT
- Arsenal for disease control. 2115
- LEAD ACETATE
- Failure of oral *Escherichia coli* endotoxin to induce either specific tolerance or toxic symptoms in rats. 2280
- LEAF RUST
- Genetic and cytogenetic studies of stem rust, leaf rust, and powdery mildew resistances in Hope and related wheat cultivars. 2151
- LEAVES
- DDT resistance in barley, *Hordeum vulgare*-I. Induced mutants for resistance. 2114
- Contribution to the application method for fungicides to control potato blight. 2128
- Differences in reaction to *Puccinia striiformis* between first and second leaves in wheat crosses. 2185
- Leaf changes brought about by *Empoasca flavescens* F. (Hom. Typhlocybidae) on apple trees. 2203
- Preference of green peach aphids for virus-infected sugarbeet leaves. 2224
- A technique for evaluating varietal resistance of castor to castor jassid (*Empoasca flavescens* Fabricius). 2232
- LEGISLATION
- Progesterone-estradiol benzoate (hormonal implant). Drugs for veterinary use; drug efficacy study implementation. 2305
- Testosterone propionate-estradiol benzoate (hormonal implant). Drugs for veterinary use; drug efficacy study implementation. 2306
- Hygromix (hygromycin B). Drugs for veterinary use; drug efficacy study implementation. 2364
- Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Miscellaneous amendments. 2389
- Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Endosulfan. 2408
- Notice of filing of petition regarding pesticide chemicals. 2410
- Notice of filing of petition regarding pesticide chemicals. 2411
- Notice of filing of petition regarding pesticide chemicals. 2412
- Notice of filing of petition regarding pesticide chemicals. 2413
- Notice of filing of petition regarding pesticide chemicals. 2414
- Research and testing of preparations on rodents in the habitat of man. 2442
- Listing of color additives for food use exempt from certification; listing of color additives for drug use exempt from certification. Cochineal extract. 2463
- LEGUMINOSAE
- Host suitability of a number of plants for the nematode *Tylenchorynchus dubius*. 2251
- Interrelationships between root-nodule bacteria, plant-parasitic nematodes and their leguminous host. 2261
- LEMA MELANOPA
- The control of some species of pest insects by *Bacillus thuringiensis*. 1953
- LEMONS
- Notice of withdrawal of petition regarding pesticides. 2394
- LEPIDOPTERA
- Contribution to the fauna of Congo (Brazzaville). Mission of A. Villiers and A. Descarpentries. LII. Lepidoptera Pieridae. 1869
- The North American *Aegeriidae* (Lepidoptera): A revision based on late-in tar larvae. 1893
- Iconography of the eggs of the Lepidoptera fauna of Belgium. 1907
- The distribution of radioactive strontium, cesium and iodine in the bodies of some insects. 1937
- The control of some species of pest insects by *Bacillus thuringiensis*. 1953
- The possibility of the occurrence of warm- and cold season relicts on the Zitzmannsdorf meadow at the Neusiedler lake. 1995
- Neural adaptations in the visual pathway of certain heliconine butterflies, and related forms, to variations in wing coloration. 2060
- LEPTINOTARSA
- The control of some species of pest insects by *Bacillus thuringiensis*. 1953
- LEPTOCERA
- On the subgenus *Opacifrons* Duda of the genus *Leptocera* Olivier (Diptera, Sphaeroceridae) with a description of a new species from northern Fennoscandia. 1879
- LEPTOSPIROSIS
- Leptospirotic abortion pathogenesis in sows. 2295
- LEPTOTROMBIDIUM
- New larvae of Trombiculidae (Acaridae), parasites on the mammals of Rumania. 1878
- LESIONS
- Gene dosage effects on monogenic chlorotic lesion resistance to northern corn leaf blight. 2158
- The gross and microscopic changes in sublethal staphylococcal alpha-toxin pancreatitis in dogs. 2276
- Researches concerning the toxoplasmosis identification and the toxoplasmic abortion in the ovic cattle of Banat. 2294
- The pathogenesis of ovine Contagious Ecthyma. 2307
- Embryologic development of an anomaly of ocular fundus in the Collie dog. 2312
- A nephrotoxin from *Aspergillus fumigatus* and its possible relationship with New Zealand mucosal disease-like syndrome in cattle. 2346
- LETHAL FACTOR
- 5-aminoacridine induced crossing over in the *Drosophila* male. 2082
- LETHOCERUS
- Description and distribution of the neurosecretory cells in brain and ventral ganglia of *Lethocerus indicum* Lep. et Serv. (Heteroptera-Belostomatidae). 1928
- Studies on the morphology of *Lethocerus indicum* Lep. et Serv. (Hemiptera-Heteroptera-Cryptocera-Belostomatidae). Part V. The morphology of the stomodeal nervous system with special reference to the histology of the corpora cardiaca and allata. 1929
- LETTUCE
- Epidemiology of cucumber mosaic and other virus diseases of lettuce in Arizona. 2159
- LEUCOMA SALICIS
- On the mechanism involved in perception of light stimuli during the photoperiodic reaction in Lepidoptera caterpillars. (TT 61-23975). 1967
- LEUCOPHAEA MADERAE
- The fine structure of the cuticle. A contribution to the question of the protection against its own poison of the Madeira roach. 1971
- Demonstration of the synthesis of a yolk protein under the influence of the corpora allata in *Leucophaea maderae*. 2046
- LEUKEMIA
- Leucosis in swine as a finding from carcass inspection. 2281
- Biochemistry of friend virus-infected cells. I. Virionspecific RNA. 2292
- Studies on the tumours of the domestic animals. I. Lymphatic leukaemia of the swine. 2308

SUBJECT INDEX

LEUKOSIS

LEUKOSIS

Research on the relationship between the tumor causing virus of the quail and the rous sarcoma virus.

2334

LIFE CYCLE

The life history of *Tribolium castaneum* (Herbst) (Coleoptera, Tenebrionidae).

1994

LIGHT

Light-dark adaptation in acone apposition eyes of insects.

1954

Differential sensitivity of the larvae of *Lymantria dispar* L. to achromatic stimuli of varied distinctiveness.

1964

On the mechanism involved in perception of light stimuli during the photoperiodic reaction in *Lepidoptera* caterpillars. (TT 61-23975).

1967

Environmental factors regulating the diurnal vertical migration of *Chaoborus* larvae.

2000

Alfalfa mosaic virus-induced lesions on bean: Effect of light and temperature.

2133

A mass screening procedure for isolating alfalfa seedlings with resistance to the alfalfa weevil.

2204

Effect of temperature, light, and date of collection on the feeding rate of the sweetclover weevil.

2209

LIGHT TRAPS

Some interesting Noctuidae finds from the Tescin.

1908

The relative abundance of species in a wild population of *Macro-Lepidoptera*.

1985

Field and laboratory studies of attraction of the synthetic sex pheromone to male cabbage looper moths.

1986

Hourly and seasonal collections of six harmful insects in traps equipped with blacklight lamps.

2056

Influence of distance on attraction of tobacco hornworm and corn earworm moths to radiations of a blacklight lamp.

2057

LIGNIN

Effects of potassium, magnesium, and nitrogen deficiencies on the concentration of chlorogenic acid and scopolin in tobacco.

2116

LIMA BEANS

The rapid development and spread of strain B downy mildew of lima beans.

2198

LIMONIIDAE

Sampling to detect economic infestations of *Limonius* spp.

2022

LINDANE

Population dynamics of the common horseflies and deerflies (Tabanidae: Diptera) breeding on a New Jersey salt marsh.

2037

Insecticidal drug containing lindane. Drugs for veterinary use; drug efficacy study implementation announcement.

2355

Effects of lindane and carbaryl on insects, soil and plant nitrogen, and grain yield of rice.

2445

LINE PATTERN

Line pattern disease of raspberry.

2118

LINURON

Adsorption of some pesticides on soils, clay minerals and humic acid.

2420

LIPIDS

Changes in glycogen-, lipid-, and nitrogen metabolism of the imago of *Pyrrhocoris apterus* L. in connection with the reproduction process.

1989

Developmental changes in the late larva of *Caliphora stygia*. I. Haemolymph.

1998

Studies on the physiology of the fat body of *Pyrrhocoris apterus* L.

2008

Fatty acids in *Hyalophora cecropia*: Biosynthesis and constitution during development.

2055

Coenzyme Q10 in *Brucella abortus* Bang.

2345

LIVER

Cytochemical studies on the lesion of equine infectious anemia. VII. Especially on the enzyme histochemistry of RES (Reticulo-Endothelial System) in the liver and spleen.

2300

Aflatoxin metabolism by liver microsomal preparations of two different species.

2332

Concerning the larva migrans visceralis of *Ascaris lumbricoides* in the experimental host (mice).

2360

LIVER DISEASES

Eczema and liver disease in dogs (hepatodermal syndrome).

2287

Effect of thiabendazole on *Pithomyces chartarum* (Berk. Curt.) M. B. Ellis.

2340

LIVESTOCK

P.L.A. (pituitary luteinizing hormone). Drugs for veterinary use - drug efficacy study implementation.

2271

F.S.H.-P. (follicle stimulating hormone-pituitary). Drugs for veterinary use - drug efficacy study implementation announcement.

2313

Eradication efforts against tropical bont tick, *Amblyomma variegatum* in the Virgin Islands.

2354

Insecticidal drug containing lindane. Drugs for veterinary use; drug efficacy study implementation announcement.

2355

Hygromix (hygromycin B). Drugs for veterinary use; drug efficacy study implementation.

2364

Dr. Mayfield large roundworm tablets. Drugs for veterinary use; drug efficacy study implementation.

2366

Notice of filing of petition regarding pesticide chemicals.

2395

LIVESTOCK DISEASES

Mechanism of the ring forming in the ABR test.

2274

Mechanism of the sediment forming in the agglutination test performed with *Brucella abortus* suspension.

2275

Moldy feeds pose hazard.

2277

Leucosis in swine as a finding from carcass inspection.

2281

Observations on the use of Antrycide Prosalt and the resistance of cattle to Trypanosomiasis.

2285

Contagious bovine pleuropneumonia, its treatment and control.

2286

Enterotoxaemia: Deadly disease of sheep.

2290

History and epidemiology of rabies in wildlife in New York.

2293

Researches concerning the toxoplasmosis identification and the toxoplasmic abortion in the ovic cattle of Banat.

2294

Leptospirosis pathogenesis in sows.

2295

Mycotoxins.

2297

Experimental *Pasteurella multocida* infection in chickens exposed to cold: Biochemical and bacteriological investigations.

2301

Study on the incidence and etiology of mastitis in sows.

2302

Salmonella species. First isolations, names and occurrence. QR82.S27K4.

2303

Parterol, Drugs for veterinary use; drug efficacy study implementation.

2304

Progesterone-estradiol benzoate (hormonal implant). Drugs for veterinary use; drug efficacy study implementation.

2305

Testosterone propionate-estradiol benzoate (hormonal implant). Drugs for veterinary use; drug efficacy study implementation.

2306

Studies on the tumours of the domestic animals. I. Lymphatic leukaemia of the swine.

2308

Studies on the tumours of the domestic animals. II. Tumours of the swine.

2309

Dr. Mayfield ML-23. Drugs for veterinary use - drug efficacy study implementation.

2314

Loss of serum proteins via the intestinal tract in calves with infectious diarrhea.

2317

Immunity in ewes resulting from natural exposure to *Vibrio fetus*.

2321

Gastrointestinal protein loss in cattle. A clinical and pathophysiological study.

2324

Studies on bovine tuberculosis. Effects of repeated tuberculations in infected cattle.

2326

Mastitis: Its causes and cure.

2328

Experiments for liquidating abortions in ewes on sheep farms with abortions.

2330

Mycoplasma infection in a Wisconsin dairy herd.

2333

Serological differentiation of mycoplasma in swine.

2338

Experience obtained from the use of formol-adsorbat vaccines against *Salmonella cholerae-suis* in pig stocks.

2339

Eperythrozoon tuomii, sp. n. (Rickettsiales) third species of *Eperythrozoon* in cattle in Malagasy Republic.

2347

Occurrence of a skin response to intracutaneous injection of adrenaline as a method to detect the effects of endotoxins in pig organism.

2349

A study of immunological reactions in bovine fascioloidiasis (*Fascioloides magna*).

2359

The effect of dimethylalum on experimental chicken coccidiosis.

2377

LOLIUM

Effect of attack by *Costelytra zealandica* (White) larvae on ryegrass varieties.

2218

- LONGEVITY**
The role of moisture in the winter survival of the boll weevil complex in Arizona. 2001
The longevity of conidia of *Sclerotinia fruticola* (Wint.) Rehm under field conditions. 2140
- LOOSE SMUT**
Virulence of various groups of loose smut of barley (*Ustilago nuda* (Jens.) Rostri) physiological races in the light of anatomical investigations of barley varieties different with regard to resistance. 2. The effect of infection upon anatomical features of plants. 2145
- LUCILIA CUPRINA**
Automated sexing of pupae and its usefulness in control by sterile insects. 2097
- LUMINESCENCE**
Flashes of Photuris fireflies: Their value and use in recognizing species. 2005
- LUNGS**
Pulmonary diseases of pig in Madagascar. 2335
Concerning the larva migrans visceralis of *Ascaris lumbricoides* in the experimental host (mice). 2360
- LYCOSIDAE**
On some species of the genus *Arctosa* C. L. Koch and Tricca Simon (Araneae-Lycosidac). 1892
- LYGAEIDAE**
A new species of *Elasmolomus* (Heteroptera: Lygaeidae) from Australia. 1910
- LYMPHATIC SYSTEM**
Studies on the tumours of the domestic animals. I. Lymphatic leucemia of the swine. 2308
Lymphocytic thyroiditis in the dog. 2320
- LYMPHOCYTES**
Effects of whole-body irradiation on baby pigs (*Sus scrofa*). 2283
The effect of maleic hydrazide on the mitosis of phytohaemagglutinin stimulated human lymphocytes cultured in vitro. 2443
- LYMPHOCYTIC THYROIDITIS**
Lymphocytic thyroiditis in the dog. 2320
- LYMPHOPENIA**
Effects of whole-body irradiation on baby pigs (*Sus scrofa*). 2283
- MACROLEPIDOPTERA**
The relative abundance of species in a wild population of Macro-Lepidoptera. 1985
- MACROPHOMINA PHASEOLI**
Fruit rot of papaya (*Carica papaya* L.) caused by *Macrophomina phaseoli* (Maubl.) Ashby. 2143
- MACROSIPHUM AVENAE**
Performance of the English grain aphid on sterilized and unsterilized artificial diet. 2059
- MAGGOTS**
Insecticidal drug containing lindane. Drugs for veterinary use; drug efficacy study implementation announcement. 2355
- MAGNESIUM**
Effects of potassium, magnesium, and nitrogen deficiencies on the concentration of chlorogenic acid and scopolin in tobacco. 2116
The influence of varying dietary levels of magnesium, calcium and vitamin D on magnesium metabolism. 2341
- MALAOXON**
Inheritance and biochemistry of OP-RESISTANCE in a New York strain of the two-spotted spider mite. 2080
- MALATHION**
Effects of malathion on the histophysiology of Malpighian tubules of *Periplaneta americana* (Linn.). Dictyoptera. 1925
Effect of droplet size on persistence of ULV malathion and comparison of toxicity of ULV and EC malathion to tobacco budworm larvae. 2031
Inheritance and biochemistry of OP-RESISTANCE in a New York strain of the two-spotted spider mite. 2080
Aerial applications of PIB-7 and malathion to suppress populations of *Anastrepha suspensa*. 2234
The effect of some pesticides on the soil invertebrate fauna in the South Taiga Zone in the Perm Region (USSR). 2238
Comparative review of BHC dust and malathion emulsion as agents for disinfestation on the basis of past experience. 2379
Campaign against stored grain pests in villages of IADP District Ludhiana. 2382
Removal of DDT, malathion, and carbaryl from tomatoes by commercial and home preparative methods. 2398
Adsorption of some pesticides on soils, clay minerals and humic acid. 2420
Procedure for semi-quantitative confirmation of some organophosphorus pesticide residues in plant extracts. 2426
Consistency of Rst values of six organophosphorus pesticides resolved by thin-layer chromatography in the presence of plant extracts without elaborate clean-up. 2453
- MALEIC HYDRAZIDE**
The effect of maleic hydrazide on the mitosis of phytohaemagglutinin stimulated human lymphocytes cultured in vitro. 2443
- MALLOPHAGA**
A new species of *Otidococcus*. (Philopteridae, Mallophaga). 1873
- MALONIC ACID**
Vetstat. Drugs for veterinary use - drug efficacy study implementation. 2272
- MALPIGHIAN TUBES**
Effects of malathion on the histophysiology of Malpighian tubules of *Periplaneta americana* (Linn.). Dictyoptera. 1925
- MAMMALS**
A remarkable tick found on a tarsier (*Heteroceptidae* f. n.: *Sarcoptiformes*). 1957
- MAMMARY GLANDS**
Mastitis: Its causes and cure. 2328
- MANDUCA SEXTA**
Influence of distance on attraction of tobacco hornworm and corn earworm moths to radiations of a blacklight lamp. 2057
Measuring newly hatched phytophagous larvae in the field or greenhouse. 2058
- MANEB**
Arsenal for disease control. 2115
- Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Coordination product of zinc ion and maneb. 2406
- MANGOES**
Trapping for control of the Mexican fruit fly in mango and citrus groves. 1924
Chemical control of mango hoppers (*Idiocerus* spp.). 2211
- MANNITOL**
Studies on the brown-eye-spot disease (*Cercospora coffeicola* Berk. et Cke.) of coffee (*Coffea arabica* L.). V. Nutritional requirements of the pathogen. 2186
- MANTIS RELIGIOSA**
A review of the praying mantises of Ghana. (Dictyoptera Mantodea). 1905
- MARASMIUS PALMIVORUS**
Evaluation of fungicides for use against *Marasmius palmivorus* on oil palms. 2191
- MARSHES**
Population dynamics of the common horseflies and deerflies (Tabanidae: Diptera) breeding on a New Jersey salt marsh. 2037
- MASTITIS**
Study on the incidence and etiology of mastitis in sows. 2302
Mastitis: Its causes and cure. 2328
Mycoplasma infection in a Wisconsin dairy herd. 2333
- MATHEMATICAL ANALYSIS**
On the ethometry of sign stimuli; the theory of the telotactic choice, and the power principle of the terminal cumulation in arthropods. 1990
- MATING HABITS**
Genetic heterogeneity among the founders of laboratory populations of *Drosophila melanogaster*. II. Mating behaviour. 2081
- MEASLES VIRUS**
Presence of antibodies against Rinderpest in dromedary in Chad. 2318
- MEASUREMENT**
Kinetics of viral deoxyribonucleic acid, protein, and infectious particle production and alterations in host macromolecular syntheses in equine abortion (Herpes) virus-infected cells. 2327
Measurement of residues of phorate and its oxygen analog sulfone in plant tissues by total phosphorus determination. 2421
Omega, a useful index of soil sorption equilibria. 2464
- MEAT**
Fatty tissue biopsy in pigs. 2299
Salmonella infection in calves and other animals. II. Comparison of selective media. 2325
Notice of filing of petition regarding pesticide chemicals. 2392
Notice of filing of petition regarding pesticide chemicals. 2393
Notice of filing of petition regarding pesticide chemicals. 2395
- MEAT INSPECTION**
Leucosis in swine as a finding from carcass inspection. 2281

SUBJECT INDEX

MECHANIZATION

MECHANIZATION

Modern methods of disease control in florist and nursery crops. 2117

Coated celery seed aids mechanization efforts. 2470

MEDICAL ENTOMOLOGY

Gross variations in the response to man among yellow-fever mosquito populations in the laboratory. 2098

MELANINS

Biochemical studies on *Sclerotium rolfsii* Sacc. 2144

MELOE

Bionomics and taxonomy of Meloe (Coleoptera, Meloidae), with a classification of the New World species. 1903

MELOIDAE

Bionomics and taxonomy of Meloe (Coleoptera, Meloidae), with a classification of the New World species. 1903

The acclimatization of *Zonabris variabilis* Pall. (Coleoptera, Meloidae) in Sardinia, 20 years after its introduction. 1946

MELOIDOLOGY

The influence of a small application of manure near the seeds on the plant's resistance to infection by nematodes. 2240

Nebraska root-gall nematode of sugar beets. 2253

MELOIDOLOGY HAPLA

Species dominance in co-incident infections by *Meloidogyne hapla* and *M. javanica* on tomato. 2247

MELOIDOLOGY JAVANICA

Species dominance in co-incident infections by *Meloidogyne hapla* and *M. javanica* on tomato. 2247

The effects of host nutrition and soil fumigation on the penetration and pathogenicity of *Meloidogyne javanica* (Treub, 1885) Chitwood, 1949 on tomato. 2252

Interrelationships between root-nodule bacteria, plant-parasitic nematodes and their leguminous host. 2261

MENAZON

Control tests against *Dacus oleae* Gmel. in the coastal region of Tuscany during 1965. 1960

MERCURY

Evaluation of fungicides for use against *Marasmius palmivorus* on oil palms. 2191

MERCURY COMPOUNDS

Relative susceptibility of three peanut cultivars to fat leg (seedling growth anomaly) caused by seed treatment with an organic mercury fungicide. 2119

METABOLISM

Energy metabolism in insects. 1941

Effect of radiofrequency electric field treatment on protein metabolism in yellow mealworm larvae. 1993

Effect of dimethyl sulfoxide on tobacco mosaic. 2165

Metabolic studies with O,O-diethyl O-(3,5,6-trichloro-2-pyridyl) phosphorothioate (dursban) insecticide in a lactating cow. 2296

Metabolism of blood proteins in hens during natural and artificial moulting. 2310

Gastrointestinal protein loss in cattle. A clinical and pathophysiological study. 2324

Kinetics of viral deoxyribonucleic acid, protein, and infectious particle production and alterations in host macromolecular syntheses in equine abortion (Herpes) virus-infected cells. 2327

Aflatoxin metabolism by liver microsomal preparations of two different species. 2332

The influence of varying dietary levels of magnesium, calcium and vitamin D on magnesium metabolism. 2341

Oxidative metabolism of phosphamidon in rats and a goat. 2388

METABOLITES

Nature of the water-soluble metabolites of carbaryl in bean plants and their fate in rats. 2267

Metabolic studies with O,O-diethyl O-(3,5,6-trichloro-2-pyridyl) phosphorothioate (dursban) insecticide in a lactating cow. 2296

Degradation of DDT in Atlantic salmon (*Salmo salar*). 2400

Notice of filing of petition regarding pesticide chemicals. 2414

Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Diphenamid. 2415

Measurement of residues of phorate and its oxygen analog sulfone in plant tissues by total phosphorus determination. 2421

METAMORPHOSIS

The morphological basis of embryonic movements in the light brown apple moth, *Epiphyas postvittana* (Walk.) (Lepidoptera: Tortricidae). 1918

Structure and ecdysial process of the larval spiracles of the Scarabaeoidea, with special reference to those of Lepidoderma. 1983

Studies on the metamorphosis of the alimentary canal of *Hyalophora cecropia* (L.). 1992

The life history of *Tribolium castaneum* (Herbst) (Coleoptera, Tenebrionidae). 1994

The ecology of *Sminthurus viridis* (Collembola). II. Diapause in the aestivating egg. 2066

METEOROLOGY

A portable instrumented tower for use in meteorologically related research. 2468

METHODOLOGY

A numerical taxonomy of orthopteroid insects. 1871

Rainbow's end: The quest for an optimal taxonomy. 1885

Selection methods for pathogenic forms of microorganisms. 1956

Physiological bases for the luring and catching of insects. 2069

Scorpion preservation for taxonomic and morphological studies. 2070

A rapid method for determining the pathogenicity and factors associated with pathogenicity of *Phytophthora cactorum*. 2123

A laboratory assay for determining pathogenicity of *Phytophthora* spp. to tomato. 2169

Attenuated infectious canine hepatitis live virus vaccine and method of producing same. Patent 3,432,391. 2298

Salmonella infection in calves and other animals. II. Comparison of selective media. 2325

Removal of DDT, malathion, and carbaryl from tomatoes by commercial and home preparative methods. 2398

Simplified method of preparing column materials for gasliquid chromatographic separation of some pesticides. 2465

METHOXYCHLOR

Control tests against *Dacus oleae* Gmel. in the coastal region of Tuscany during 1965. 1960

METHYL BROMIDE

Bromide residues from methyl bromide fumigation of food commodities. 2399

METHYL PARATHION

A field test comparing resistant varieties plus applications of polyhedral virus with insecticides for control of *Heliothis* spp. and other pests of cotton, 1967. 1962

MEVINPHOS

Procedure for semi-quantitative confirmation of some organophosphorus pesticide residues in plant extracts. 2426

Consistency of Rst values of six organophosphorus pesticides resolved by thin-layer chromatography in the presence of plant extracts without elaborate clean-up. 2453

MICE

Biochemistry of friend virus-infected cells. I. Virionspecific RNA. 2292

Aflatoxin metabolism by liver microsomal preparations of two different species. 2332

Pathologic responses of the mature and developing nervous system to bluetongue virus. 2336

The pathogenesis of experimental distemper in mice. 2350

Concerning the larva migrans visceralis of *Ascaris lumbricoides* in the experimental host (mice). 2360

Immunological studies on experimental ascariasis. 2378

Effect of DDT or parathion on condition avoidance response of offspring from DDT or parathion treated mothers. (abstract). 2427

MICROORGANISMS

Selection methods for pathogenic forms of microorganisms. 1956

The influence of the genotype on cell affinities in combinations of imago organisms of *Drosophila melanogaster*. 2079

Host resistance responses- an induction hypothesis. 2139

The effect of molds on the enzymic activity, respiration and viability of stored grain. 2381

The effects of plant amendments and their associated microflora on *Rhizoctonia solani* Kuehn. 2451

MICROSCOPY

Morphological and histochemical study of the scent gland in the pond-skater, *Gerris spinolae* Leth. et Seu. (Gerridae-Insecta). 2032

Determination of the water content of nematode worms by interference microscopy. 2242

- The gross and microscopic changes in sublethal staphylococcal alpha-toxin pancreatitis in dogs. 2276
- MICROSOMES**
Aflatoxin metabolism by liver microsomal preparations of two different species. 2332
Epoxidation of aldrin by plant materials. 2457
- MILK**
Mechanism of the ring forming in the ABR test. 2274
Metabolic studies with O,O-diethyl O-(3,5,6-trichloro-2-pyridyl) phosphorothioate (dursban) insecticide in a lactating cow. 2296
Loss of serum proteins via the intestinal tract in calves with infectious diarrhea. 2317
Mastitis: Its causes and cure. 2328
Oxidative metabolism of phosphamidon in rats and a goat. 2388
Notice of filing of petition regarding pesticide chemicals. 2393
Improved method for determination of sulfonamides in milk and tissues. 2425
- MILK ANALYSIS**
Composition containing penicillin and dye indicator for treating udders. Patent 3,427,377. 2265
Study on the incidence and etiology of mastitis in sows. 2302
Mycoplasma infection in a Wisconsin dairy herd. 2333
- MILK FEVER**
Parterol, Drugs for veterinary use; drug efficacy study implementation. 2304
- MIRIDAE**
Megacoelum Fieber, 1858 (Hem. Het. Miridae). 1915
Two new Orthops-species from north Africa (Heteroptera, Miridae). 1916
- MITES**
Damage by the strawberry spider mite to cotton when infestations commenced at the beginning, middle, and end of the flowering period. 2228
Method of controlling and eradicating mites. Patent 3,427,385. 2237
Control of the northern fowl mite on laying hens with Shell SD-8447. 2358
- MITOMYCINS**
The effect of nucleases and nucleic acid synthesis inhibitors on sigma virus multiplication in *Drosophila melanogaster*. 1979
- MITOSIS**
The effect of maleic hydrazide on the mitosis of phytohaemagglutinin stimulated human lymphocytes cultured in vitro. 2443
- MOLDS**
Moldy feeds pose hazard. 2277
The effects of moldy alfalfa hay feeding on rumen activity, rumen protozoa and dairy steer performance, and analysis of toxic substance(s) associated with molding. 2323
The effect of molds on the enzymic activity, respiration and viability of stored grain. 2381
- MOLECULES**
Biochemistry of friend virus-infected cells. I. Virionspecific RNA. 2292
- MOLTING (INSECTS)**
Structure and ecdysial process of the larval spiracles of the Scarabaeoidea, with special reference to those of *Lepidoderma*. 1983
- MOMORDICA CHARANTIA**
Cucurbit virus studies in Hawaii. 2172
- MONILIALES**
Comparison of chloro and thiocyanato groups as fungal toxiphores in dinitrobenzenes. 2187
- MONKEYS**
The pathogenesis of ovine Contagious Ecthyma. 2307
Toxoplasma gondii in tissue culture and maintenance at low temperatures. 2363
- MONOSODIUM ACID METHANEARSONATE**
Degradation of monosodium methanearsonic acid by soil microorganisms. 2461
- MONTMORILLONITE**
Adsorption of 3-aminotriazole by montmorillonite. 2466
- MORPHOLOGY**
Rondonema thapari n. sp. from the millipede (*Spirostreptus* sp.). 1958
On a known and some new species of insect nematodes. 1959
Ontogeny of vessels influence the development of *Verticillium* in young cotton plants. 2166
- MORTALITY**
Effects of apholate on the alfalfa weevil. 2053
Reduction in mortality of peach trees following preplant soil fumigation. 2103
Susceptibility of three pine species to *Sclerotinia lagerbergii* in Upper Michigan. 2129
Ear removal and cell death rate in corn stalk tissue. 2163
Pathologic responses of the mature and developing nervous system to bluetongue virus. 2336
Comparative review of BHC dust and malathion emulsion as agents for disinfestation on the basis of past experience. 2379
- MOSAIC**
Effect of 2,4-dichlorophenoxyacetic acid on tobacco mosaic virus infection. 2127
Local reaction and cross protection for strains of squash mosaic virus. 2131
Alfalfa mosaic virus-induced lesions on bean: Effect of light and temperature. 2133
Free amino acid contents in corn infected with maize dwarf mosaic virus and sugarcane mosaic virus. 2137
The coat protein gene of tobacco mosaic virus. I. Location of the gene by mixed infection. 2142
Epidemiology of cucumber mosaic and other virus diseases of lettuce in Arizona. 2159
Effect of dimethyl sulfoxide on tobacco mosaic. 2165
Distribution of cucurbit viruses in Kansas. 2171
Cucurbit virus studies in Hawaii. 2172
Properties of a virus causing pokeweed mosaic. 2173
- Pyrimidine hydrates and dimers in ultraviolet-irradiated tobacco mosaic virus ribonucleic acid. 2178
Purification and properties of broad bean wilt virus. 2189
Interaction of maize dwarf mosaic virus strains and sugarcane mosaic virus H in corn. 2190
Preference of green peach aphids for virus-infected sugarbeet leaves. 2224
- MOTTLE**
Effects of temperature on expression and transmission of stubborn disease of citrus. 2161
Purification and properties of broad bean wilt virus. 2189
- MOUTH**
Stability of *Escherichia coli* endotoxin in the rat gastrointestinal tract. 2279
Failure of oral *Escherichia coli* endotoxin to induce either specific tolerance or toxic symptoms in rats. 2280
- MOUTH PARTS**
Morphology of the head capsule and its appendages of *Stenothorus gilvifrons* Mulsant (Coleoptera: Coccinellidae). 2010
- MUCOIDS**
The anal glands of *Gryllotalpa gryllotalpa* L. ultrastructure and histochemistry. 1948
- MUCUS**
Effect of penicillin on the composition of amino sugars in acid-soluble fraction and mucopeptides from *Bacillus subtilis*. 2467
- MUELLERIIUS CAPILLARIS**
The effect of tetramisole on *Muellerius capillaris* in goats. 2374
- MUSCA AUTUMNALIS**
Influence of moisture content of bovine feces on oviposition and development of the face fly. 1927
Biology of the face fly: Migration of larvae. 1991
- MUSCA DOMESTICA**
Competitive mating tests between normal and aspermic male house flies. 2035
- MUSCLES**
The anatomy and physiology of the morabine grasshoppers. III. Muscles, nerves, tracheae, and genitalia. 1930
Studies on the structure of the head, mouth-parts and their musculature in *Hippobosca maculata* Leach (Diptera: Pupipara). 1951
The development of the thorax muscles of *Periplaneta* after cutting of individual nerves. Preliminary report. 2021
Teratology of the beetle *Tenebrio molitor*. III. Ultrastructural alterations in the flight musculature of the pupal-winged adult. 2090
Release of an acetylcholine-like substance from guinea pig ileum by scorpion venom. 2429
Pharmacological and enzymic constituents of the venom of an Australian bulldog ant *Myrmecia pyramis*. 2438
- MUTATION**
The effects of IPC, CIPC, Sevin and Zeetran on *Bacillus subtilis*. 2132

SUBJECT INDEX

MUTATIONS

MUTATIONS

- 5-aminoacridine induced crossing over in the *Drosophila* male. 2082

MYCELIUM

- A nephrotoxin from *Aspergillus fumigatus* and its possible relationship with New Zealand mucosal disease-like syndrome in cattle. 2346

- Characteristics of in vitro protein synthesis systems from *Rhizoctonia solani* and *Sclerotium bataticola*. 2456

- Effect of trifluralin on growth of *Sclerotium rolfsii* in liquid culture and soil. 2459

MYCOBACTERIUM

- Mycobacterium buruli* lesions in the fruit bat web. 2284

MYCOPLASMA

- Mycoplasma infection in a Wisconsin dairy herd. 2333

- Serological differentiation of mycoplasma in swine. 2338

- Cytology of pink-eye of sheep, including a reference to trachoma of man, by employing acridine orange and iodine stains, and isolation of *Mycoplasma* agents from infected sheep eyes. 2344

MYCOPLASMA GALLISEPTICUM

- Food additives permitted in food for human consumption. Tylosin. 2407

MYCOPLASMA MYCOIDES

- Contagious bovine pleuropneumonia, its treatment and control. 2286

MYCOSIS

- Effect of thiabendazole on *Pithomyces chartarum* (Berk. Curt.) M. B. Ellis. 2340

MYCOTOXICOSIS

- Mycotoxicoes. 2297

- A nephrotoxin from *Aspergillus fumigatus* and its possible relationship with New Zealand mucosal disease-like syndrome in cattle. 2346

MYRMECIA PYRIFORMIS

- Pharmacological and enzymic constituents of the venom of an Australian bulldog ant *Myrmecia pyriformis*. 2438

MYROBALAN PLUMS

- Stem pitting of Italian prune. 2124

MYXOVIRUSES

- Infrared spectrophotography of myxoviruses. 2291

MYZUS PERSICAE

- Performance of the English grain aphid on sterilized and unsterilized artificial diet. 2059

- Preference of green peach aphids for virus-infected sugarbeet leaves. 2224

NACOBBUS BATATIFORMIS

- Nebraska root-gall nematode of sugar beets. 2253

NATURAL HISTORY

- New longicorns of the Museum of Natural History at Geneva. 1872

NEMATOCIDES

- Reduction in mortality of peach trees following preplant soil fumigation. 2103

NEMATODE MORPHOLOGY

- Some observations on the biological cycle of *Tylenchulus semipenetrans* Cobb, 1913 (Nematoda, Tylenchulidae). 2250

NEMATODE POPULATION

- Some observations on the biological cycle of *Tylenchulus semipenetrans* Cobb, 1913 (Nematoda, Tylenchulidae). 2250

NEMATODE POPULATIONS

- Population dynamics and pathogenicity of three species of *Pratylenchus* on peach. 2244

NEMATODE VECTORS

- Saprophytic nematodes transmit *Streptomyces* phage. 2245

NEMATODES

- Rondonema thapari* n. sp. from the millipede (*Spirostreptus* sp.). 1958

- On a known and some new species of insect nematodes. 1959

- An ecological study of some soil nematodes associated with apple trees in a New Zealand grassed orchard. 2241

- Determination of the water content of nematode worms by interference microscopy. 2242

- Pseudohookworm infection - trichostrongyliasis. Treatment with thiabendazole. (abstract). 2373

- The effect of tetramisole on *Muellerius capillaris* in goats. 2374

- Immunological studies on experimental ascariasis. 2378

NEODIPRION SERTIFER

- Observations on the histo-morphology of the labial glands in *Neodiprion sertifer* Geoffroy (Hymenoptera Diprionidae). 1961

NEOPLASMS

- Studies on the tumours of the domestic animals. I. Lymphatic leukaemia of the swine. 2308

- Studies on the tumours of the domestic animals. II. Tumours of the swine. 2309

- Research on the relationship between the tumor causing virus of the quail and the rous sarcoma virus. 2334

- Hemangiosarcoma in a dog. 2342

- Transmission of equine sarcoid. 2348

NERVES

- The development of the thorax muscles of *Periplaneta* after cutting of individual nerves. Preliminary report. 2021

- Neural adaptations in the visual pathway of certain heliconiine butterflies, and related forms, to variations in wing coloration. 2060

NERVOUS SYSTEM

- Description and distribution of the neurosecretory cells in brain and ventral ganglia of *Lethocerus indicum* Lep. et Serv. (Heteroptera-Belostomatidae). 1928

- Studies on the morphology of *Lethocerus indicum* Lep. et Serv. (Hemiptera-Heteroptera-Cryptocerata-Belostomatidae). Part V. The morphology of the stomodeal nervous system with special reference to the histology of the corpora cardiaca and allata. 1929

- The anatomy and physiology of the moraine grasshoppers. III. Muscles, nerves, tracheae, and genitalia. 1930

- Action of nicotine on neural transmission in the American cockroach (*Periplaneta americana* (L.)). 1963

- Pathologic responses of the mature and developing nervous system to bluetongue virus. 2336

NEUROPTERA

- Structures of unknown, possibly stridulatory, function of the wings and body of Neuroptera, with an appendix on other endopterygote orders. 2034

NEUROSECRETION

- Description and distribution of the neurosecretory cells in brain and ventral ganglia of *Lethocerus indicum* Lep. et Serv. (Heteroptera-Belostomatidae). 1928

NICOTIANA GLUTINOSA

- Electron microscopic observations on the causal agent of the Brazilian tomato ring spot disease. 2175

NICOTINE

- Action of nicotine on neural transmission in the American cockroach (*Periplaneta americana* (L.)). 1963

NINHYDRIN REACTION

- Separation of the free ninhydrin-positive fractions in Phormia and *Drosophila* using two-dimensional high voltage electrophoresis. 1940

NITRATES

- Nodulation of *Medicago sativa* in solution culture. III. Effects of nitrate on root hairs and infection. 2157

NITRO-4-HYDROXYPHENYLARSONIC ACID, 3-

- Food additives permitted in the feed and drinking water of animals or for the treatment of food-producing animals. Zoalene, 3-nitro-4-hydroxyphenylarsonic acid. 2268

NITROGEN

- Changes in glycogen-, lipid-, and nitrogen metabolism of the imago of *Pyrrhocoris apterus* L. in connection with the reproduction process. 1989

- Inhibition of growth of *Bacillus thuringiensis* by amino acids in defined media. 2050

- A comparative study on urea sprays upon some deciduous fruit trees. 2100

- Effects of potassium, magnesium, and nitrogen deficiencies on the concentration of chlorogenic acid and scopolin in tobacco. 2116

- The effects of host nutrition and soil fumigation on the penetration and pathogenicity of *Meloidogyne javanica* (Treub, 1885) Chitwood, 1949 on tomato. 2252

- Effects of lindane and cartharyl on insects, soil and plant nitrogen, and grain yield of rice. 2445

- Response of cotton plant to certain combinations of fertilizers and Metasystox. 2447

NITROGEN-FIXING BACTERIA

- Interrelationships between root-nodule bacteria, plant-parasitic nematodes and their leguminous host. 2261

NOCTUIDAE

- Some interesting Noctuidae finds from the Tessa. 1908

- Comparative chromatographic investigations of Arthropod cocoons. 1931

- Rhyacia augur* F. and other climbing cutworms (Lepidoptera). 2215

NODULES (PLANTS)

Nodulation of *Medicago sativa* in solution culture. III. Effects of nitrate on root hairs and infection. 2157

Interrelationships between root-nodule bacteria, plant-parasitic nematodes and their leguminous host. 2261

NOMENCLATURE

Salmonella species. First isolations, names and occurrence. QR82.S27K4. 2303

NUCLEAR POLYHEDROSIS VIRUS

Report of third work conference on the use of nuclearpolyhedrosis virus for control of *Heliothis* species. 1934

NUCLEASES

The effect of nucleases and nucleic acid synthesis inhibitors on sigma virus multiplication in *Drosophila melanogaster*. 1979

NUCLEIC ACIDS

Variations of nucleic acid content in the salivary glands of *Drosophila hydei* during late larval development. 1949

The effect of nucleases and nucleic acid synthesis inhibitors on sigma virus multiplication in *Drosophila melanogaster*. 1979

NUTRITION

Inhibition of growth of *Bacillus thuringiensis* by amino acids in defined media. 2050

Studies on the brown-eye-spot disease (*Cercospora coffeicola* Berk. et Cke.) of coffee (*Coffea arabica* L.). V. Nutritional requirements of the pathogen. 2186

OATS

Inheritance of crown rust resistance in *Avena sterilis*. 2108

Additional sources of tolerance to oat crown rust. 2176

A new source of high protein in oats. 2193

Critical study of a new device for gibberellin dosage by the elongation of the oat stem. 2454

OESOPHAGOSTOMUM

Hygromix (hygromycin B). Drugs for veterinary use; drug efficacy study implementation. 2364

OILS

Pre-hloom oil sprays for European red mite control. 1932

OLFACTOMETERS

Studies on the attack behavior of the southern pine beetle. II. Response to attractive host material. 1943

Studies on the attack behavior of the southern pine beetle. IV. Influence of host condition on aggregation pattern. 2064

ONIONS

Resistance mechanisms against onion pink root (*Pyrenochaeta terrestris*), bioassay of inoculum potential in soil and chemical control. 2174

ONTOGENY

Ontogeny of vessels influence the development of *Verticillium* in young cotton plants. 2166

OOGENESIS

Cellular and extracellular activities implementing selective assimilation of yolk proteins by *Cecropia* oocytes. 1919

Studies on the physiology of the fat body of *Pyrrhocoris apterus* L. 2008

OPISTHOSCELIS

Studies on the morphology and relationships of male *Apiomorpha* and *Opisthoscelis* (Hemiptera: Coccoidea). 2061

ORANGES

Trapping for control of the Mexican fruit fly in mango and citrus groves. 1924

Effect of 2,4-D and urea sprays on yield and fruit quality of Balady oranges. 2462

ORCHARDS

The longevity of conidia of *Sclerotinia fructicola* (Wint.) Rehm under field conditions. 2140

Progress report on Johnsongrass control in orchards. 2256

An accurate and safe hand-operated, vehicle-mounted applicator for granular insecticides in seed orchards. 2469

ORGANIC COMPOUNDS

Evaluation of fungicides for use against *Marasmius palmivorus* on oil palms. 2191

ORGANOPHOSPHATES

Systemic pesticides for control of sting and stubby-root nematodes on vegetables. 2239

ORGANOPHOSPHORUS COMPOUNDS

Studies on the effect of commercial formulations of some organophosphorous insecticides on the cotton leaf worm, *Prodenia litura* F. under field conditions. 2073

Inheritance and biochemistry of OP-RESISTANCE in a New York strain of the two-spotted spider mite. 2080

Inheritance of resistance to organophosphorus acaricides in the cattle tick, *Boophilus microplus*. 2092

A laboratory comparison of the effects of some insecticides on the Argentine stem weevil (*Hyperodes bonariensis* Kuschel) (Coleoptera: Curculionidae). 2207

The effect of some pesticides on the soil invertebrate fauna in the South Taiga Zone in the Perm Region (USSR). 2238

Procedure for semi-quantitative confirmation of some organophosphorus pesticide residues in plant extracts. 2426

Consistency of Rst values of six organophosphorus pesticides resolved by thin-layer chromatography in the presence of plant extracts without elaborate clean-up. 2453

Simplified method of preparing column materials for gasliquid chromatographic separation of some pesticides. 2465

ORGANOPHOSPHORUS INSECTICIDES

The residual contact toxicity to honey bees of insecticides sprayed on to white clover (*Trifolium repens* L.) in the laboratory. 1942

ORIBATEI

New species of horn mites (Acariformes, Oribatei) from the Caucasus and Transcaucasia. 1889

ORNITHINE

Some comparisons of chlorosis-inducing *Pseudomonas* toxins. 2177

ORNITHONYSSUS SYLVIARUM

Control of the northern fowl mite on laying hens with Shell SD-8447. 2358

ORTHOPTERA

Orthopterological notes. XXII. The genus *Myrmecophilus* Berth. in Italy. 1866

A numerical taxonomy of orthopteroid insects. 1871

Contribution to the fauna of Congo (Brazzaville). Mission of A. Villiers and A. Descarpentries. L. Orthoptera Grylloidea. 1874

The distribution of radioactive strontium, cesium and iodine in the bodies of some insects. 1937

The acclimatization of *Zonabris variabilis* Pall. (Coleoptera, Meloidae) in Sardinia, 20 years after its introduction. 1946

Histochemistry and ultrastructure of the feminine genital ducts of *Gryllotalpa gryllotalpa* L. 2016

The color change of *Poecilimon ornatus* Schmidt in the post-embryonic development. (Orthoptera-Tettigoniidae). 2017

Karyotypes and nuclear size in the spermatogenesis of grasshoppers belonging to the subfamilies Gomphomastacinae, Chininae and Biroellinae (Orthoptera, Eumastacidae). 2096

ORYZAEPHILUS SURINAMENSIS

Fumigation of food grains in India with hydrogen phosphide. I. Tests in concrete bins. 2230

OSMOSIS

Effect of the venom of the bee *Apis mellifera* on osmotic fragility of cattle RBC. 2434

OULEMA MELANOPUS

Leaf pubescence in common wheat, *Triticum aestivum* L., and resistance to the cereal leaf beetle, *Oulema melanopus* (L.). 2111

OVARIES

On the hormonal control of ovarian development in the female larva of the heterogonid gall gnath *Heteropeza pygmaea* Winnertz 1846 (Diptera, Cecidomyiidae). 2030

OVIPOSITION

Influence of changes in the cotton plant during the season on the feeding, oviposition, and development of the boll weevil. 1923

Influence of moisture content of bovine feces on oviposition and development of the face fly. 1927

Oviposition preference by *Costelytra zealandica* (White). II. 1997

The role of moisture in the winter survival of the holl weevil complex in Arizona. 2001

Developing alfalfa resistant to alfalfa weevil oviposition. 2101

A boll weevil oviposition suppression factor in cotton. 2208

OVULATION

Behavioral and physiological aspects of mating and oviposition by the adult western corn rootworm, *Diahotrica virgifera* LeConte. 1936

Population dynamics of the common horseflies and deerflies (Tabanidae: Diptera) breeding on a New Jersey salt marsh. 2037

SUBJECT INDEX

OXALIC ACID

OXALIC ACID

Vetstat. Drugs for veterinary use - drug efficacy study implementation.

2272

OXIDATION

Oxidative metabolism of phosphamidon in rats and a goat.

2388

Epoxidation of aldrin by plant materials.

2457

OXIDES

Crop response to applied zinc in ammoniated phosphate fertilizers.

2455

OXYDEMETONMETHYL

Response of cotton plant to certain combinations of fertilizers and Metaisosystox.

2447

OXYGEN

Signs of water pollution in the Riviere des Prairies.

2385

Measurement of residues of phorate and its oxygen analog sulfone in plant tissues by total phosphorus determination.

2421

PACHYDIPLOSI ORYZAE

Mass rearing technique of rice gall midge (*Pachydiplosis oryzae* Wood-Mason) and notes on its biology.

2002

PALMAE

Glossina palpalis gambiensis Vanderplank 1949 (Diptera in the Niayes and

1899

PAMPHILIDAE

Record of *Acantholyda circumcincta* (Hymenoptera: Pamphiliidae) in Florida.

2210

PANCREAS

The gross and microscopic changes in sublethal staphylococcal alpha-toxin pancreatitis in dogs.

2276

PANONYCHUS ULMI

Pre-bloom oil sprays for European red mite control.

1932

PAPAYAS

Fruit rot of papaya (*Carica papaya* L.) caused by *Macrophomina phaseoli* (Maubl.) Ashby.

2143

PARACOLOBACTRUM ARIZONAE

Research on diseases of poultry.

2331

PARAQUAT

Selective herbicides control weeds in lucerne at Cowra.

2262

PARASITES

A study of immunological reactions in bovine fascioloidiasis (*Fascioloides magna*).

2359

Immunological studies on experimental ascariasis.

2378

PARASITIC INSECTS

Some species of *Pediobius* Walker (Hymenoptera, Eulophidae) inhabiting cynipid oak galls.

1864

Records of predators and parasites naturally prevalent in the Gujarat state.

2024

An annotated list of hymenopterous parasites of citrus soft scales in Israel.

2041

Chambers for incubating individual insect eggs and egg parasites.

2054

Hymenoptera and nematodes as parasites of *Tachyporus* species (Col.; Staphylinidae) with special consideration of *Centistes lucidator* (Nees) (Hym.; Braconidae).

2223

PARASITIC NEMATODES

Rondonema thapari n. sp. from the millipede (*Spirostreptus* sp.).

1958

Hymenoptera and nematodes as parasites of *Tachyporus* species (Col.; Staphylinidae) with special consideration of *Centistes lucidator* (Nees) (Hym.; Braconidae).

2223

PARASITISM

A new species of *Otidococcus*. (Phlopteridae, Mallophaga).

1873

Biological notes on *Spilonota ocellana* Denis and Schiffermuller (Lepidoptera Tortricidae) in the foothill region of Friuli and preliminary indications on the factors adverse to its development.

1970

Investigation into a conditional host modification by the ichneumonid fly *Perithous divinator* (Rossi) (Hym., Ichneumon.).

1984

Heat-extraction technique for recovery of potato tuberworm larvae from potato tubers.

2029

Fluctuations in the population of *Schizolachnus piniradiata* (Davidson) (Aphididae-Homoptera) in the Eastern Provinces during 1967.

2048

Reduction in mortality of peach trees following preplant soil fumigation.

2103

An oak leaf tier, *Croesia semipurpurana* (Kft.) (Lepidoptera: Tortricidae) in the region of Quebec.

2212

Hymenoptera and nematodes as parasites of *Tachyporus* species (Col.; Staphylinidae) with special consideration of *Centistes lucidator* (Nees) (Hym.; Braconidae).

2223

Mutual antagonism between *Heterodera tabacum* and some other parasitic nematodes.

2248

Arceuthobium pusillum on eastern larch in Wisconsin.

2257

Pulmonary diseases of pig in Madagascar.

2335

Insecticidal drug containing lindane. Drugs for veterinary use; drug efficacy study implementation announcement.

2355

Arthropod parasites on the starling, *Sturnus vulgaris* L., in southwest Virginia.

2356

Concerning the larva migrans visceralis of *Ascaris lumbricoides* in the experimental host (mice).

2360

Liver-fluke in Madagascar. Biological cycle of *Fasciola gigantica*.

2361

Notice of filing of petition for food additives diethylcarbamazine, styrylpyridinium chloride.

2362

Toxoplasma gondii in tissue culture and maintenance at low temperatures.

2363

AH-NBC capsules. Drugs for veterinary use; drug efficacy study implementation.

2365

Dr. Mayfield large roundworm tablets. Drugs for veterinary use; drug efficacy study implementation.

2366

Dizan powder and tablets. Drugs for veterinary use; drug efficacy study implementation announcement.

2367

Cadmium salts. Drugs for veterinary use - drug efficacy study implementation.

2368

Caparsolate sodium. Drugs for veterinary use - drug efficacy study implementation.

2369

D.N.P. disophenol. Drugs for veterinary use - drug efficacy study implementation.

2370

Vermiplex capsules. Drugs for veterinary use - drug efficacy study implementation.

2371

Vermex poultry tablets and vermex powder. Drugs for veterinary use - drug efficacy study implementation.

2372

Pseudohookworm infection - trichostrongyliasis. Treatment with thiabendazole. (abstract).

2373

Sparganosis in a cat.

2376

The effect of dimethialium on experimental chicken coccidiosis.

2377

PARATHION

Inheritance and biochemistry of OP-RESISTANCE in a New York strain of the two-spotted spider mite.

2080

Procedure for semi-quantitative confirmation of some organophosphorus pesticide residues in plant extracts.

2426

Effect of DDT or parathion on condition avoidance response of offspring from DDT or parathion treated mothers. (abstract).

2427

Consistency of Rst values of six organophosphorus pesticides resolved by thin-layer chromatography in the presence of plant extracts without elaborate clean-up.

2453

PARTICLE SIZE DETERMINATION

Effect of droplet size on persistence of ULV malathion and comparison of toxicity of ULV and EC malathion to tobacco budworm larvae.

2031

Purification and properties of broad bean wilt virus.

2189

PASTEURELLA MULTOCIDA

Experimental *Pasteurella multocida* infection in chickens exposed to cold: Biochemical and bacteriological investigations.

2301

Pulmonary diseases of pig in Madagascar.

2335

PASTURE MANAGEMENT

Heptachlor residues in soil, pasture, and stock resulting from the treatment of soil or pasture with heptachlor granules.

2424

PASTURES

Oviposition preference by *Costelytra zealandica* (White). II.

1997

PATANGA

A note on the outbreak of the Bombay locust, *Patanga succincta*, Cyrtacanthacrinae, Acrididae, in the Laccadive Islands during 1967.

1939

PATENTS

Method of controlling and eradicating mites. Patent 3,427,385.

2237

Stabilization of animal and poultry feeds containing a tetracycline antibiotic. Patent 3,427,166.

2264

Composition containing penicillin and dye indicator for treating udders. Patent 3,427,377.

2265

Attenuated infectious canine hepatitis live virus vaccine and method of producing same. Patent 3,432,391.

2298

- PATHOGENIC BACTERIA**
Bacteriophage reactions and pathogenic spectra of *Xanthomonas* species to cotton. 2135
- PATHOGENICITY**
A rapid method for determining the pathogenicity and factors associated with pathogenicity of *Phytophthora cactorum*. 2123
Bacteriophage reactions and pathogenic spectra of *Xanthomonas* species to cotton. 2135
A laboratory assay for determining pathogenicity of *Phytophthora* spp. to tomato. 2169
- PATHOLOGY**
Epidemiology and prevention of bacterial blight disease of rice in India. 2183
- PEACHES**
Reduction in mortality of peach trees following preplant soil fumigation. 2103
Bacteriophage labeling of *Pseudomonas syringae*. 2134
Population dynamics and pathogenicity of three species of *Pratylenchus* on peach. 2244
- PEANUTS**
Relative susceptibility of three peanut cultivars to fat leg (seedling growth anomaly) caused by seed treatment with an organic mercury fungicide. 2119
Notice of filing of petitions regarding pesticide chemicals and food additives. 2396
Succinic acid 2,2-dimethylhydrazide. Notice of extension of temporary tolerance. 2405
- PEAS**
Influence of soil water and temperature on the pea root rot complex caused by *Pythium ultimum* and *Fusarium solani* f. sp. *pisi*. 2146
An approach to the study of the population dynamics of *Aphanomyces euteiches* in soil. 2155
The influence of a small application of manure near the seeds on the plant's resistance to infection by nematodes. 2240
Use of carbon to reduce uptake of insecticidal soil residues by crop plants. Effects of carbon on insecticide adsorption and toxicity in soils. 2419
- PEDIOBIUS**
Some species of *Pediobius* Walker (Hymenoptera, Eulophidae) inhabiting cynipid oak galls. 1864
- PENICILLIN**
Composition containing penicillin and dye indicator for treating udders. Patent 3,427,377. 2265
- PENICILLINS**
Effect of penicillin on the composition of amino sugars in acid-soluble fraction and mucopolysaccharides from *Bacillus subtilis*. 2467
- PENICILLIUM**
Mycotoxins. 2297
Influence of moisture content, temperature, and time of storage upon invasion of rough rice by storage fungi. 2380
The effect of molds on the enzymic activity, respiration and viability of stored grain. 2381
- PENTACHLORONITROBENZENE**
Enzymic browning and free tyrosine in potatoes as affected by pentachloronitrobenzene. 2188
- PENTACHLOROPHENOL**
Annosus root-rot in slash pine plantations four years after thinning and stump treatments. 2138
- PENTATOMIDAE**
The fine structure of the cuticle. A contribution to the question of the protection against its own poison of the Madeira roach. 1971
Morphology of the head capsule of *Aelia rostrata* Boh. (Hemiptera: Pentatomidae). 2051
- PEPTIDES**
Separation of the free ninhydrin-positive fractions in *Phormia* and *Drosophila* using two-dimensional high voltage electrophoresis. 1940
Effect of penicillin on the composition of amino sugars in acid-soluble fraction and mucopolysaccharides from *Bacillus subtilis*. 2467
- PERIPLANETA**
The development of the thorax muscles of *Periplaneta* after cutting of individual nerves. Preliminary report. 2021
- PERIPLANETA AMERICANA**
Effects of malathion on the histophysiology of Malpighian tubules of *Periplaneta americana* (Linn.), Dictyoptera. 1925
The function of the accessory sex glands in *Periplaneta americana* (L.). I. A quantitative bioassay for the juvenile hormone. 1933
Action of nicotine on neural transmission in the American cockroach (*Periplaneta americana* (L.)). 1963
The embryonic development of the brain in paurometabolic insects. A study on *Carausius morosus* and *Periplaneta americana*. 2007
- PERITONITIS**
Infectious peritonitis in cats. 2351
- PERMEABILITY**
The fine structure of the cuticle. A contribution to the question of the protection against its own poison of the Madeira roach. 1971
On the fine structure of insect cuticle. A contribution to the question of the characteristic protection against toxins of the Hemiptera cuticle. 1972
- PERONOSPORA TABACINA**
Comparison of chloro and thiocyanato groups as fungal toxophores in dinitrobenzenes. 2187
- PEROXYACETYL NITRATE**
Air pollution damage to chrysanthemum foliage. 2387
- PEST CONTROL**
Effect of radiofrequency electric field treatment on protein metabolism in yellow mealworm larvae. 1993
Bats in California. 2357
Campaign against stored grain pests in villages of IADP District Ludhiana. 2382
- PESTICIDE APPLICATION**
Contribution to the application method for fungicides to control potato blight. 2128
Omega, a useful index of soil sorption equilibria. 2464
- PESTICIDE RESIDUES**
Oxidative metabolism of phosphamidon in rats and a goat. 2388
- Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Miscellaneous amendments. 2389
Notice of filing of petition regarding pesticide chemicals. 2391
Notice of filing of petition regarding pesticide chemicals. 2392
Notice of filing of petition regarding pesticide chemicals. 2393
Notice of withdrawal of petition regarding pesticides. 2394
Notice of filing of petition regarding pesticide chemicals. 2395
Notice of filing of petitions regarding pesticide chemicals and food additives. 2396
Biochemical transformations of pesticides by soil micro-organisms. 2397
Removal of DDT, malathion, and cartharyl from tomatoes by commercial and home preparative methods. 2398
Bromide residues from methyl bromide fumigation of food commodities. 2399
Thin-layer chromatography of bromacil residues in soils. 2401
Residues in pasture following application of a granular heptachlor preparation. 2403
Effects of isobenzan on soil fauna and soil structure. 2404
Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Coordination product of zinc ion and maneb. 2406
Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Endosulfan. 2408
Food additives permitted in feed and drinking water of animals or for the treatment of food-producing animals. Thiabendazole. 2409
Notice of filing of petition regarding pesticide chemicals. 2410
Notice of filing of petition regarding pesticide chemicals. 2411
Notice of filing of petition regarding pesticide chemicals. 2412
Notice of filing of petition regarding pesticide chemicals. 2413
Notice of filing of petition regarding pesticide chemicals. 2414
Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Diphenamid. 2415
Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. O-ethyl S-phenyl ethylphosphonodithioate. 2416
Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Thiram. 2417
Behavior of DDT in potatoes during commercial and home preparation. 2418

SUBJECT INDEX

PESTICIDES

- Use of carbon to reduce uptake of insecticidal soil residues by crop plants. Effects of carbon on insecticide adsorption and toxicity in soils. 2419
- Measurement of residues of phorate and its oxygen analog sulfone in plant tissues by total phosphorus determination. 2421
- Residues of organochlorine insecticides in dead birds in the United Kingdom. 2422
- Effect of soil systemic insecticides on flavor and residue in coffee 2423
- Improved method for determination of sulfonamides in milk and tissues. 2425
- Procedure for semi-quantitative confirmation of some organophosphorus pesticide residues in plant extracts. 2426

PESTICIDES

- Systemic pesticides for control of sting and stubby-root nematodes on vegetables. 2239
- Biochemical transformations of pesticides by soil micro-organisms. 2397
- Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Coordination product of zinc ion and maneb. 2406
- Adsorption of some pesticides on soils, clay minerals and humic acid. 2420
- Research and testing of preparations on rodents in the habitat of man. 2442
- Consistency of Rst values of six organophosphorus pesticides resolved by thin-layer chromatography in the presence of plant extracts without elaborate clean-up. 2453
- Simplified method of preparing column materials for gasliquid chromatographic separation of some pesticides. 2465
- Adsorption of 3-aminotriazole by montmorillonite. 2466

PETROLEUM

- Pre-bloom oil sprays for European red mite control. 1932

PHAGOCYTES

- Antigen conversion in Salmonella. XI. Conversion in the N(O:30) group. 2437

PHARMACOLOGY

- Action of nicotine on neural transmission in the American cockroach (*Periplaneta americana* (L.)). 1963
- Pharmacological and enzymic constituents of the venom of an Australian bulldog ant *Myrmecia pyrifomis*. 2438

PHENOLASES

- Resistance mechanisms against onion pink root (*Pyrenochaeta terrestris*), bioassay of inoculum potential in soil and chemical control. 2174

PHENOLS

- Mechanism of resistance of carrot roots to *Pythium aphanidermatum* (Eds.) Fitz. 2126

PHENOTHIAZINE

- Vermex poultry tablets and vermex powder. Drugs for veterinary use - drug efficacy study implementation. 2372

PERMONES

- Attraction of female boll weevils to traps baited with males or extracts of males. 1945

PERMONES

- Biological factors influencing responses of the female boll weevil to the male sex pheromone in field and large-cage tests. 1978
- Field and laboratory studies of attraction of the synthetic sex pheromone to male cabbage looper moths. 1986
- Isolation of a sex pheromone of the codling moth. 2013
- Artificial sex pheromones for the codling moth. 2014
- Isolation of the population aggregating pheromone of the southern pine hettle. 2033
- Insect and host factors in the aggregation of the southern pine hettle. 2065
- Male boll weevils are more attractive than cotton plants to boll weevils. 2217

PHILOPTERIDAE

- A new species of *Otidococcus*. (Phlopteridae, Mallophaga). 1873

PHLOEM

- A rapid method for determining the pathogenicity and factors associated with pathogenicity of *Phytophthora cactorum*. 2123

PHORATE

- Notice of filing of petition regarding pesticide chemicals. 2390
- Measurement of residues of phorate and its oxygen analog sulfone in plant tissues by total phosphorus determination. 2421
- Effect of soil systemic insecticides on flavor and residue in coffee. 2423
- An accurate and safe hand-operated, vehicle-mounted applicator for granular insecticides in seed orchards. 2469

PHORMIA REGINA

- Separation of the free ninhydrin-positive fractions in *Phormia* and *Drosophila* using two-dimensional high voltage electrophoresis. 1940

PHOSPHAMIDON

- Oxidative metabolism of phosphamidon in rats and a goat. 2388

PHOSPHATES

- Control tests against *Dacus oleae* Gmel. in the coastal region of Tuscany during 1965. 1960
- Crop response to applied zinc in ammoniated phosphate fertilizers. 2455

PHOSPHINE

- Fumigation of food grains in India with hydrogen phosphide. I. Tests in concrete bins. 2230

PHOSPHORUS

- Measurement of residues of phorate and its oxygen analog sulfone in plant tissues by total phosphorus determination. 2421
- Effect of soil systemic insecticides on flavor and residue in coffee. 2423
- Response of cotton plant to certain combinations of fertilizers and Metaisosystox. 2447

PHOSPHORUS ISOTOPES

- 32P and 35S transfer from susceptible wheat to *Erysiphe graminis* f. sp. *tritici* during primary infection. 2156

PHOTOCHEMISTRY

- Pyrimidine hydrates and dimers in ultraviolet-irradiated tobacco mosaic virus ribonucleic acid. 2178

PHOTOPERIODISM

- Modified container for study of photoperiodism. 1857
- Hints on the permanent rearing of *Dacus oleae* Gmelin (Diptera, Tephritidae) in the laboratory. 1938
- On the mechanism involved in perception of light stimuli during the photoperiodic reaction in Lepidoptera caterpillars. (TT 61-23975). 1967
- Laboratory rearing of aphids. 2019
- Photoperiodic induction of vernal phenotype in *Pieris protodice* Boisduval and Le Conte (Lepidoptera: Pieridae). 2047

PHOTURIS

- Flashes of Photuris fireflies: Their value and use in recognizing species. 2005

PHTHORIMAEA OPERCULELLA

- Heat-extraction technique for recovery of potato tuberworm larvae from potato tubers. 2029

PHYLLOCOPTURUS OLEIVORA

- The feeding behavior and biology of *Paraprone-matus acaciae* (Acarina: Tydeidae). 2225

PHYSIOLOGY

- Experimental investigation into the physiological change in color of Hirudinea. 2375
- Effect of the venom of the scorpion *Tityus serrulatus* on adrenal gland catecholamines. 2433
- Effect of the venom of the bee *Apis mellifera* on osmotic fragility of cattle RBC. 2434

PHYTOLACCA AMERICANA

- Properties of a virus causing pokeweed mosaic. 2173

PHYTOPHAGOUS INSECTS

- Measuring newly hatched phytophagous larvae in the field or greenhouse. 2058

PHYTOPHTHORA

- A laboratory assay for determining pathogenicity of *Phytophthora* spp. to tomato. 2169

- Phytophthora* crown and root rot of hops in California. 2181

PHYTOPHTHORA CACTORUM

- A rapid method for determining the pathogenicity and factors associated with pathogenicity of *Phytophthora cactorum*. 2123

PHYTOPHTHORA CAPSICI

- Cytology of the sporangium of *Phytophthora capsici*. 2194

PHYTOPHTHORA CINNAMOMI

- Phytophthora cinnamomi* Rands on conifers in New South Wales. 2121

PHYTOPHTHORA PHASEOLI

- The rapid development and spread of strain B downy mildew of lima beans. 2198

PHYTOTOXICITY

- Chemical and biological properties of phytotoxic glycopeptides isolated from *Corynebacterium michiganense*. 2167
- Several factors affecting adsorption of atrazine and diphenamid by soils. 2386
- Selective action of chloroxuron on soybean and morningglory. 2448

SUBJECT INDEX

PLANT DISEASE TRANSMISSION

- PICEA MARIANA**
Arceuthobium pusillum on eastern larch in Wisconsin. 2257
- PIERIDAE**
Contribution to the fauna of Congo (Brazzaville). Mission of A. Villiers and A. Descarpentries. LII. Lepidoptera Pieridae. 1869
- PIERIS**
Photoperiodic induction of vernal phenotype in Pieris protodice Boissduval and Le Conte (Lepidoptera: Pieridae). 2047
- PIERIS BRASSICAE**
On the mechanism involved in perception of light stimuli during the photoperiodic reaction in Lepidoptera caterpillars. (TT 61-23975). 1967
- PIGMENTS**
Neural adaptations in the visual pathway of certain heliconiine butterflies, and related forms, to variations in wing coloration. 2060
Experimental investigation into the physiological change in color of Hirudinea. 2375
- PINUS BANKSIANA**
Susceptibility of three pine species to Sclerotinia lagerbergii in Upper Michigan. 2129
- PINUS CLAUSA**
Record of Acantholyda circumcincta (Hymenoptera: Pamphiliidae) in Florida. 2210
- PINUS ELLIOTTII**
Annosus root-rot in slash pine plantations four years after thinning and stump treatments. 2138
- PINUS PONDEROSA**
Comandra rust damage to ponderosa pine in Oregon and Washington. 2104
- PINUS RESINOSA**
Fluctuations in the population of Schizolachnus piniradiatae (Davidson) (Aphididae-Homoptera) in the Eastern Provinces during 1967. 2048
Susceptibility of three pine species to Sclerotinia lagerbergii in Upper Michigan. 2129
- PINUS SYLVESTRIS**
Susceptibility of three pine species to Sclerotinia lagerbergii in Upper Michigan. 2129
- PINUS TAEDA**
Studies on the attack behavior of the southern pine beetle. IV. Influence of host condition on aggregation pattern. 2064
- PIPERAZINE**
Vermex poultry tablets and vermex powder. Drugs for veterinary use - drug efficacy study implementation. 2372
- PITHOMYCES CHARTARUM**
Effect of thiabendazole on Pithomyces chartarum (Berk. Curt.) M. B. Ellis. 2340
- PITUITARY GLAND**
P.L.A. (pituitary luteinizing hormone). Drugs for veterinary use - drug efficacy study implementation. 2271
F.S.H.-P. (follicle stimulating hormone-pituitary). Drugs for veterinary use - drug efficacy study implementation announcement. 2313
- PLANT ABNORMALITIES**
Relative susceptibility of three peanut cultivars to fat leg (seedling growth anomaly) caused by seed treatment with an organic mercury fungicide. 2119
- PLANT ADAPTATION**
Seedlings vigor evaluation of four birdsfoot trefoil varieties grown under two temperature regimes. 2106
- PLANT ANATOMY**
Virulence of various groups of loose smut of barley (Ustilago nuda (Jens.) Rostri) physiological races in the light of anatomical investigations of barley varieties different with regard to resistance. 2. The effect of infection upon anatomical features of plants. 2145
- PLANT BIOCHEMISTRY**
A new source of high protein in oats. 2193
Carbohydrate reserves in mountain range plants with respect to phenological stage of development and artificial defoliation. 2446
Critical study of a new device for gibberellin dosage by the elongation of the oat stem. 2454
Crop response to applied zinc in ammoniated phosphate fertilizers. 2455
Plant treatment in relation to the rhizosphere effect. II. Foliar applications of certain chemicals and antibiotics in relation to the rhizosphere microflora of rice (Oryza sativa L.). 2458
Effect of 2,4-D and urea sprays on yield and fruit quality of Balady oranges. 2462
- PLANT BREEDING**
Developing alfalfa resistant to alfalfa weevil oviposition. 2101
Resistance to brown stem rot in soybeans. 2102
Inheritance of crown rust resistance in Avena sterilis. 2108
Leaf pubescence in common wheat, Triticum aestivum L., and resistance to the cereal leaf beetle, Oulema melanopus (L.). 2111
Local reaction and cross protection for strains of squash mosaic virus. 2131
Heritability of seeding disease characteristics in flax. 2162
The effect of aphid numbers and stage of plant growth in determining tolerance to barley yellow dwarf virus in cereals. 2179
Plot techniques with maize dwarf mosaic virus: I. Field studies, 1966. 2192
- PLANT CYTOLOGY**
Cytology of the sporangium of Phytophthora capsici. 2194
- PLANT DISEASE CONTROL**
Arsenal for disease control. 2115
Modern methods of disease control in florist and nursery crops. 2117
- PLANT DISEASE RESISTANCE**
Specificity of insect viruses. 1987
Resistance to brown stem rot in soybeans. 2102
Inheritance of crown rust resistance in Avena sterilis. 2108
Relative susceptibility of three peanut cultivars to fat leg (seedling growth anomaly) caused by seed treatment with an organic mercury fungicide. 2119
- Phytophthora cinnamomi** Rands on conifers in New South Wales. 2121
A rapid method for determining the pathogenicity and factors associated with pathogenicity of Phytophthora cactorum. 2123
Mechanism of resistance of carrot roots to Pythium aphanidermatum (Eds.) Fitz. 2126
Effect of 2,4-dichlorophenoxyacetic acid on tobacco mosaic virus infection. 2127
Susceptibility of three pine species to Sclerotinia lagerbergii in Upper Michigan. 2129
Local reaction and cross protection for strains of squash mosaic virus. 2131
Host resistance responses- an induction hypothesis. 2139
Grain yield of corn reduced by maize dwarf mosaic virus infection. 2141
Virulence of various groups of loose smut of barley (Ustilago nuda (Jens.) Rostri) physiological races in the light of anatomical investigations of barley varieties different with regard to resistance. 2. The effect of infection upon anatomical features of plants. 2145
Biochemical control of disease resistance in plants. 2147
Genetic and cytogenetic studies of stem rust, leaf rust, and powdery mildew resistances in Hope and related wheat cultivars. 2151
Gene dosage effects on monogenic chlorotic lesion resistance to northern corn leaf blight. 2158
Heritability of seeding disease characteristics in flax. 2162
Cytogenetic studies on the resistance of Hordeum sativum Jess. mutants, valtick variety, to some fungus diseases. 2170
Cucurbit virus studies in Hawaii. 2172
Resistance mechanisms against onion pink root (Pyrenochaeta terrestris), bioassay of inoculum potential in soil and chemical control. 2174
Additional sources of tolerance to oat crown rust. 2176
The effect of aphid numbers and stage of plant growth in determining tolerance to barley yellow dwarf virus in cereals. 2179
Epidemiology and prevention of bacterial blight disease of rice in India. 2183
Differences in reaction to Puccinia striiformis between first and second leaves in wheat crosses. 2185
Interaction of maize dwarf mosaic virus strains and sugarcane mosaic virus H in corn. 2190
Plot techniques with maize dwarf mosaic virus: I. Field studies, 1966. 2192
A new source of high protein in oats. 2193
- PLANT DISEASE TRANSMISSION**
Plot techniques with maize dwarf mosaic virus: II. Greenhouse studies. 2150
32P and 35S transfer from susceptible wheat to Erysiphe graminis f. sp. tritici during primary infection. 2156

SUBJECT INDEX

PLANT DISEASES

- Effects of temperature on expression and transmission of stubborn disease of citrus. 2161
- Properties of a virus causing pokeweed mosaic. 2173
- Plot techniques with maize dwarf mosaic virus: I. Field studies, 1966. 2192
- Transmission of maize dwarf mosaic by the greenbug, *Schizaphis graminum*. 2214
- Interaction of a fungus gnat, *Bradysia* sp. (Sciaridae) with *Fusarium* spp. on alfalfa and red clover. 2222
- Aphid populations in relation to tristeza in Florida citrus. 2235

PLANT DISEASES

- Resistance to brown stem rot in soybeans. 2102
- Conclusions and resolutions of the general assembly of the International Commission for the Biological Control of Plant Pests (C. I. L. B.). Tunis, March 26-April 4, 1962. 2105
- Inheritance of crown rust resistance in *Avena sterilis*. 2108
- Problems in plant pathology and entomology field trials. 2109
- Preliminary results of attempts to form the advisory board for integrated plant protection. 2113
- Modern methods of disease control in florist and nursery crops. 2117
- Crown gall tumors in various species and hybrids of *Kalanchoideae*. 2122
- Host resistance responses- an induction hypothesis. 2139
- Nodulation of *Medicago sativa* in solution culture. III. Effects of nitrate on root hairs and infection. 2157
- Epidemiology and prevention of bacterial blight disease of rice in India. 2183
- The effect of drainage on physiological disorders of rice grown on the sub-coastal plains of the Adelaide River, N.T. 2184
- Potato tuber eelworm. 2249
- The effects of host nutrition and soil fumigation on the penetration and pathogenicity of *Meloidogyne javanica* (Treub, 1885) Chitwood, 1949 on tomato. 2252

PLANT ENZYMES

- Biochemical aspects of triazine based herbicides. 2255

PLANT EXTRACTS

- Resistance mechanisms against onion pink root (*Pyrenochaeta terrestris*), bioassay of inoculum potential in soil and chemical control. 2174
- Feeding stimulants from plants for larvae of the tobacco budworm and bollworm. 2216
- Nature of the water-soluble metabolites of carbaryl in bean plants and their fate in rats. 2267
- Procedure for semi-quantitative confirmation of some organophosphorus pesticide residues in plant extracts. 2426
- Carbohydrate reserves in mountain range plants with respect to phenological stage of development and artificial defoliation. 2446

- Consistency of Rst values of six organophosphorus pesticides resolved by thin-layer chromatography in the presence of plant extracts without elaborate clean-up. 2453

PLANT GALLS

- Some species of *Pediobius* Walker (Hymenoptera, Eulophidae) inhabiting cynipid oak galls. 1864
- Kinetin-like substances produced by plant tumors. 2125
- An incidence of the effect of glycine on the virulence of a strain of *Agrobacterium tumefaciens* (Smith and Town) Conn. 2149
- Biochemical analysis of aphid saliva and its importance in gall development. 2233
- Species dominance in co-incident infections by *Meloidogyne hapla* and *M. javanica* on tomato. 2247
- Nebraska root-gall nematode of sugar beets. 2253

PLANT GENETICS

- Developing alfalfa resistant to alfalfa weevil oviposition. 2101
- Resistance to brown stem rot in soybeans. 2102
- Inheritance of crown rust resistance in *Avena sterilis*. 2108
- Leaf pubescence in common wheat, *Triticum aestivum* L., and resistance to the cereal leaf beetle, *Oulema melanopus* (L.). 2111
- DDT resistance in barley, *Hordeum vulgare*- I. Induced mutants for resistance. 2114
- Crown gall tumors in various species and hybrids of *Kalanchoideae*. 2122
- Kinetin-like substances produced by plant tumors. 2125
- Genetic and cytogenetic studies of stem rust, leaf rust, and powdery mildew resistances in Hope and related wheat cultivars. 2151
- Gene dosage effects on monogenic chlorotic lesion resistance to northern corn leaf blight. 2158
- The identification of genes for pathogenicity in *Cochliobolus carbonum*. 2160
- Heritability of seeding disease characteristics in flax. 2162
- Cytogenetic studies on the resistance of *Hordeum sativum* Jess. mutants, valtick variety, to some fungus diseases. 2170
- Differences in reaction to *Puccinia striiformis* between first and second leaves in wheat crosses. 2185
- A boll weevil oviposition suppression factor in cotton. 2208

PLANT GROWTH INHIBITORS

- Resistance mechanisms against onion pink root (*Pyrenochaeta terrestris*), bioassay of inoculum potential in soil and chemical control. 2174
- Selective action of chloroxuron on soybean and morningglory. 2448
- Effect of trifluralin on growth of *Sclerotium rolfsii* in liquid culture and soil. 2459

PLANT HARDINESS

- Studies on the attack behavior of the southern pine beetle. IV. Influence of host condition on aggregation pattern. 2064

- Seedlings vigor evaluation of four birdsfoot trefoil varieties grown under two temperature regimes. 2106

- DDT resistance in barley, *Hordeum vulgare*- I. Induced mutants for resistance. 2114

- Additional sources of tolerance to oat crown rust. 2176

PLANT HORMONES

- Growth regulator control of fruit set and development in the highbush blueberry (*VACCINIUM CORYMBOSUM* L.). 2450
- Critical study of a new device for gibberellin dosage by the elongation of the oat stem. 2454

PLANT HOSTS

- The North American *Aegeriidae* (Lepidoptera): A revision based on late-in tar larvae. 1893
- Macrosiphum alpinum* n. sp. (Homoptera: Aphididae). 1898
- Concerning knowledge of the order *Periomatus* Chapuis (Coleoptera, Platypodidae). III. 1901
- Greenhouse studies of host plant suitability to *Graminella nigrifrons*, a vector of corn stunt virus. 2206
- Some observations on the biological cycle of *Tylenchulus semipenetrans* Cobb, 1913 (Nematoda, Tylenchulidae). 2250
- Host suitability of a number of plants for the nematode *Tylenchorynchus duhii*. 2251

PLANT INJURIES

- A note on the outbreak of the Bombay locust, *Patanga succincta*, *Cyrtacanthacrinae*, *Acrididae*, in the Laccadive Islands during 1967. 1939
- Certain minor crop pests hitherto unrecorded from the Gujarat state. 2025
- Biotic factors involved in crucifer aphid outbreaks following insecticide application. 2039
- A new biotype of cabbage aphid (*Brevicoryne brassicae* (L.)) on aphid resistant rape (*Brassica napus* L.). 2220
- Population dynamics and pathogenicity of three species of *Pratylenchus* on peach. 2244
- Citrus-root nematode in Iran. 2246
- Potato tuber eelworm. 2249
- The effects of host nutrition and soil fumigation on the penetration and pathogenicity of *Meloidogyne javanica* (Treuh, 1885) Chitwood, 1949 on tomato. 2252
- Sofar unnoticed damage to fruit trees, brought about by field mice. 2263
- Air pollution damage to chrysanthemum foliage. 2387

PLANT METABOLISM

- Biochemical aspects of triazine based herbicides. 2255

PLANT MORPHOLOGY

- Morphology, pathogenicity, and cultural characteristics of single conidium isolates of *Alternaria longipes*. 2180
- The rapid development and spread of strain B downy mildew of lima beans. 2198

PLANT MUTATION

- DDT resistance in barley, *Hordeum vulgare*- I. Induced mutants for resistance. 2114

Cytogenetic studies on the resistance of *Hordeum sativum* Jess. mutants, vaiticky variety, to some fungus diseases.

2170

PLANT NEMATODE RESISTANCE

The influence of a small application of manure near the seeds on the plant's resistance to infection by nematodes.

2240

Host suitability of a number of plants for the nematode *Tylenchorynchus dubius*.

2251

PLANT NEMATODES

Diseases of sugarbeet in Arizona.

2112

Systemic pesticides for control of sting and stubby-root nematodes on vegetables.

2239

Survival of soybean cyst nematodes in seed bags.

2243

Population dynamics and pathogenicity of three species of *Pratylenchus* on peach.

2244

Saprophytic nematodes transmit *Streptomyces* phage.

2245

Citrus-root nematode in Iran.

2246

Species dominance in co-incident infections by *Meloidogyne hapla* and *M. javanica* on tomato.

2247

Mutual antagonism between *Heterodera tabacum* and some other parasitic nematodes.

2248

Potato tuber eelworm.

2249

Some observations on the biological cycle of *Tylenchulus semipenetrans* Cobb, 1913 (Nematoda, Tylenchulidae).

2250

Host suitability of a number of plants for the nematode *Tylenchorynchus dubius*.

2251

The effects of host nutrition and soil fumigation on the penetration and pathogenicity of *Meloidogyne javanica* (Treub, 1885) Chitwood, 1949 on tomato.

2252

Nebraska root-gall nematode of sugar beets.

2253

Interrelationships between root-nodule bacteria, plant-parasitic nematodes and their leguminous host.

2261

PLANT NUTRITION

A comparative study on urea sprays upon some deciduous fruit trees.

2100

Citrus-root nematode in Iran.

2246

The effects of host nutrition and soil fumigation on the penetration and pathogenicity of *Meloidogyne javanica* (Treub, 1885) Chitwood, 1949 on tomato.

2252

PLANT PEST CONTROL

Mass rearing technique of rice gall midge (*Pachytiplosis oryzae* Wood-Mason) and notes on its biology.

2002

Conclusions and resolutions of the general assembly of the International Commission for the Biological Control of Plant Pests (C. I. L. B.). Tunis, March 26-April 4, 1962.

2105

Potato tuber eelworm.

2249

PLANT PEST RESISTANCE

Influence of changes in the cotton plant during the season on the feeding, oviposition, and development of the boll weevil.

1923

A field test comparing resistant varieties plus applications of polyhedral virus with insecticides

for control of *Heliothis* spp. and other pests of cotton. 1967.

1962

Measuring newly hatched phytophagous larvae in the field or greenhouse.

2058

Developing alfalfa resistant to alfalfa weevil oviposition.

2101

Leaf pubescence in common wheat, *Triticum aestivum* L., and resistance to the cercal leaf beetle, *Oulema melanopus* (L.).

2111

Scientists attack corn borer.

2202

A mass screening procedure for isolating alfalfa seedlings with resistance to the alfalfa weevil.

2204

A boll weevil oviposition suppression factor in cotton.

2208

Effect of temperature, light, and date of collection on the feeding rate of the sweetclover weevil.

2209

A new biotype of cabbage aphid (*Brevicoryne brassicae* (L.)) on aphid resistant rape (*Brassica napus* L.).

2220

A technique for evaluating varietal resistance of castor to castor jassid (*Empoasca flavescens* Fabricius).

2232

PLANT PHYSIOLOGY

A comparative study on urea sprays upon some deciduous fruit trees.

2100

Developing alfalfa resistant to alfalfa weevil oviposition.

2101

Seedlings vigor evaluation of four birdsfoot trefoil varieties grown under two temperature regimes.

2106

Germination, growth, and respiration rates of birdsfoot trefoil at three temperatures during the early nonphotosynthetic stage of development.

2110

Effects of potassium, magnesium, and nitrogen deficiencies on the concentration of chlorogenic acid and scopolin in tobacco.

2116

Crown gall tumors in various species and hybrids of *Kalanchoideae*.

2122

Effect of 2,4-dichlorophenoxyacetic acid on tobacco mosaic virus infection.

2127

Alfalfa mosaic virus-induced lesions on bean: Effect of light and temperature.

2133

The longevity of conidia of *Sclerotinia fructicola* (Wint.) Rehm under field conditions.

2140

Grain yield of corn reduced by maize dwarf mosaic virus infection.

2141

Biochemical control of disease resistance in plants.

2147

Survival of *Fomes annosus* spores in soil.

2148

Morphology, pathogenicity, and cultural characteristics of single conidium isolates of *Alternaria longipes*.

2180

The effect of drainage on physiological disorders of rice grown on the sub-coastal plains of the Adelaide River, N.T.

2184

Enzymic browning and free tyrosine in potatoes as affected by pentachloronitrobenzene.

2188

Cytology of the sporangium of *Phytophthora capsici*.

2194

The rapid development and spread of strain B downy mildew of lima beans.

2198

The effects of host nutrition and soil fumigation on the penetration and pathogenicity of *Meloidogyne javanica* (Treub, 1885) Chitwood, 1949 on tomato.

2252

Nebraska root-gall nematode of sugar beets.

2253

Interrelationships between root-nodule bacteria, plant-parasitic nematodes and their leguminous host.

2261

Air pollution damage to chrysanthemum foliage.

2387

Use of carbon to reduce uptake of insecticidal soil residues by crop plants. Effects of carbon on insecticide adsorption and toxicity in soils.

2419

Carbohydrate reserves in mountain range plants with respect to phenological stage of development and artificial defoliation.

2446

Response of cotton plant to certain combinations of fertilizers and *Metatissosystox*.

2447

Selective action of chloroxuron on soybean and morningglory.

2448

Growth regulator control of fruit set and development in the highbush blueberry (*VACCINIUM CORYMBOSUM* L.).

2450

Preliminary study on the effect of gibberellic acid on fruit set in the Cherimoya.

2452

Critical study of a new device for gibberellin dosage by the elongation of the oat stem.

2454

Crop response to applied zinc in ammoniated phosphate fertilizers.

2455

Characteristics of in vitro protein synthesis systems from *Rhizoctonia solani* and *Sclerotium bataticola*.

2456

Epoxidation of aldrin by plant materials.

2457

Effect of trifluralin on growth of *Sclerotium rolfsii* in liquid culture and soil.

2459

Biological activity of PA-X, a plant regulator from bean seeds.

2460

Degradation of monosodium methanearsonic acid by soil microorganisms.

2461

Effect of 2,4-D and urea sprays on yield and fruit quality of Balady oranges.

2462

PLANT PROTECTION

Standardized procedures adopted for cooperative Ohio Valley States alfalfa weevil research.

1920

Conclusions and resolutions of the general assembly of the International Commission for the Biological Control of Plant Pests (C. I. L. B.). Tunis, March 26-April 4, 1962.

2105

Preliminary results of attempts to form the advisory board for integrated plant protection.

2113

Local reaction and cross protection for strains of squash mosaic virus.

2131

Nodulation of *Medicago sativa* in solution culture. III. Effects of nitrate on root hairs and infection.

2157

SUBJECT INDEX

PLANT PROTECTIVE DEVICES

Effects of lindane and carbaryl on insects, soil and plant nitrogen, and grain yield of rice. 2445

PLANT PROTECTIVE DEVICES

Mechanism of resistance of carrot roots to *Pythium aphanidermatum* (Eds.) Fitz. 2126

PLANT QUARANTINE

Preliminary results of attempts to form the advisory board for integrated plant protection. 2113

Domestic quarantine notices. Witchweed. Regulated areas. 2259

PLANT REGULATORS

Succinic acid 2,2-dimethylhydrazide. Notice of extension of temporary tolerance. 2405

Growth regulator control of fruit set and development in the highbush blueberry (*VACCINIUM CORYMBOSUM* L.). 2450

Biological activity of PA-X, a plant regulator from bean seeds. 2460

PLANT RESIDUES

The effects of plant amendments and their associated microflora on *Rhizoctonia solani* Kuhn. 2451

PLANT RESPIRATION

Germination, growth, and respiration rates of birdfoot trefoil at three temperatures during the early nonphotosynthetic stage of development. 2110

PLANT TRANSLOCATION

Consistency of Rst values of six organophosphorus pesticides resolved by thin-layer chromatography in the presence of plant extracts without elaborate clean-up. 2453

PLANT WATER RELATIONS

The effect of drainage on physiological disorders of rice grown on the sub-coastal plains of the Adelaide River, N.T. 2184

PLANTAGO

Cell inclusions of Holmes' ribgrass virus, an analog of tobacco mosaic virus. 2153

PLANTING

Survival of soybean cyst nematodes in seed bags. 2243

PLANTS

The ecology of *Sminthurus viridis* (L.) (Collembola). I. Processes influencing numbers in pastures in Western Australia. 2067

Method of controlling and eradicating mites. Patent 3,427,385. 2237

Measurement of residues of phorate and its oxygen analog sulfone in plant tissues by total phosphorus determination. 2421

PLATYPODIDAE

Concerning knowledge of the order Periomatus Chapuis (Coleoptera, Platypodidae). III. 1901

PLATYZOSTERIA

Australian Blattidae (Blattodea). VII. The Platyzosteria group: general remarks and revision of the subgenera Platyzosteria Brunner and Leptozosteria Pepper. 1894

PLEUROPNEUMONIA

Contagious bovine pleuropneumonia, its treatment and control. 2286

PLUMS

Stem pitting of Italian prune. 2124

Investigations concerning ringspot virus disease of the cherry. III. Serological investigations. 2168

POISON GLANDS

The fine structure of the cuticle. A contribution to the question of the protection against its own poison of the Madeira roach. 1971

POISONING

Mycotoxicoses. 2297

POLYACRYLAMIDE

The coat protein gene of tobacco mosaic virus. I. Location of the gene by mixed infection. 2142

POLYHEDROSES

A field test comparing resistant varieties plus applications of polyhedral virus with insecticides for control of *Heliothis* spp. and other pests of cotton, 1967. 1962

Specificity of insect viruses. 1987

POLYMERIZATION

Typanol. Drugs for veterinary use; drug efficacy study implementation. 2315

POLYMORPHISM

Photoperiodic induction of vernal phenotype in *Pieris protodice* Boisduval and *Le Conte* (Lepidoptera: Pieridae). 2047

Neural adaptations in the visual pathway of certain heliconine butterflies, and related forms, to variations in wing coloration. 2060

Sex and selection for a quantitative character in *Drosophila*. II. The sex dimorphism. 2077

Genetic heterogeneity among the founders of laboratory populations of *Drosophila melanogaster*. II. Mating behaviour. 2081

Genetic heterogeneity among the founders of laboratory populations of *Drosophila melanogaster*. III. Sternopleural chaetae. 2085

Pericentric inversion polymorphism in *Trimerotropis helperi* (Orthoptera: Acrididae) and its effect on chiasma frequency. 2088

POLYSACCHARIDES

Biochemical studies on *Sclerotium rolfsii* Sacc. 2144

POPULATION

Population assessment of cotton bollworm in relation to pest control practices. 1974

Principles of crowding effect in *Aphis gossypii* Glover (Aphididae, Homoptera). 1975

The relative abundance of species in a wild population of Macro-Lepidoptera. 1985

Sampling to detect economic infestations of *Limoniuss* spp. 2022

Isolation of the population aggregating pheromone of the southern pine beetle. 2033

Population dynamics of the common horseflies and deerflies (Tabanidae: Diptera) breeding on a New Jersey salt marsh. 2037

Fluctuations in the population of *Schizolachnus piniradiatae* (Davidson) (Aphididae-Homoptera) in the Eastern Provinces during 1967. 2048

Insect and host factors in the aggregation of the southern pine beetle. 2065

Gross variations in the response to man among yellow-fever mosquito populations in the laboratory. 2098

An approach to the study of the population dynamics of *Aphanomyces eutiches* in soil. 2155

End of squaring as an economic indicator of approximate time to end insecticidal treatments for boll weevil control. 2227

A technique for evaluating varietal resistance of castor to castor jassid (*Empoasca flavescens* Fabricius). 2232

Aphid populations in relation to tristeza in Florida citrus. 2235

PORTHETRIA DISPAR

Differential sensitivity of the larvae of *Lymantria dispar* L. to achromatic stimuli of varied distinctiveness. 1964

POTASSIUM

Effects of potassium, magnesium, and nitrogen deficiencies on the concentration of chlorogenic acid and scopolin in tobacco. 2116

Response of cotton plant to certain combinations of fertilizers and Metasystox. 2447

POTASSIUM SULFATE

The influence of a small application of manure near the seeds on the plant's resistance to infection by nematodes. 2240

POTASSIUM TARTRATE

Dr. Mayfield large roundworm tablets. Drugs for veterinary use; drug efficacy study implementation. 2366

POTATO-TUBER

Heat-extraction technique for recovery of potato tuberworm larvae from potato tubers. 2029

POTATOES

Arsenal for disease control. 2115

Contribution to the application method for fungicides to control potato blight. 2128

Enzymic browning and free tyrosine in potatoes as affected by pentachloronitrobenzene. 2188

Behavior of DDT in potatoes during commercial and home preparation. 2418

Procedure for semi-quantitative confirmation of some organophosphorus pesticide residues in plant extracts. 2426

POULTRY

Stabilization of animal and poultry feeds containing a tetracycline antibiotic. Patent 3,427,166. 2264

Vermex poultry tablets and vermex powder. Drugs for veterinary use - drug efficacy study implementation. 2372

Notice of filing of petition regarding pesticide chemicals. 2395

Improved method for determination of sulfonamides in milk and tissues. 2425

POULTRY DISEASES

Research on diseases of poultry. 2331

Research on the relationship between the tumor causing virus of the quail and the rous sarcoma virus. 2334

The effect of dimethylalium on experimental chicken coccidiosis. 2377

POWDERY MILDEW

Genetic and cytogenetic studies of stem rust, leaf rust, and powdery mildew resistances in Hope and related wheat cultivars. 2151

SUBJECT INDEX

PYTHIUM APHANIDERMATUM

- PRATYLENCHUS**
Reduction in mortality of peach trees following preplant soil fumigation. 2103
- PRATYLENCHUS BRACHYURUS**
Population dynamics and pathogenicity of three species of *Pratylenchus* on peach. 2244
- PRATYLENCHUS PENETRANS**
Mutual antagonism between *Heterodera tabacum* and some other parasitic nematodes. 2248
- PRATYLENCHUS VULNUS**
Population dynamics and pathogenicity of three species of *Pratylenchus* on peach. 2244
- PRATYLENCHUS ZEAE**
Population dynamics and pathogenicity of three species of *Pratylenchus* on peach. 2244
- PREDACEOUS INSECTS**
The acclimatization of *Zonabris variabilis* Pall. (Coleoptera, Meloidae) in Sardinia, 20 years after its introduction. 1946
Records of predators and parasites naturally prevalent in the Gujarat state. 2024
Fluctuations in the population of *Schizolachnus piniradiatae* (Davidson) (Aphididae-Homoptera) in the Eastern Provinces during 1967. 2048
An artificial diet for larvae and adults of *Chrysopa carnea*, an insect predator of crop pests. 2063
The feeding behavior and biology of *Parapronematus acaciae* (Acarina: Tydeidae). 2225
- PREGNANCY**
Immunity in ewes resulting from natural exposure to *Vibrio* fetus. 2321
- PRODENIA LITURA**
On the food utilization and digestion of major food nutrients in the lepidopterous larvae feeding on cauliflowers. 2009
Studies on the effect of commercial formulations of some organophosphorous insecticides on the cotton leaf worm, *Prodenia litura* F. under field conditions. 2073
- PRODUCTIVITY**
1968 U.S. rice production statistics. 2099
A rice seed farm in Central America. 2107
- PROGESTERONE**
Progesterone-estradiol henzoate (hormonal implant). Drugs for veterinary use; drug efficacy study implementation. 2305
- PROPYLENE OXIDE**
On the sensitiveness of several wood-decaying fungi to gaseous sterilization with propylene oxide. 2449
- PROTEIN HYDROLYSATES**
Aerial applications of PIB-7 and malathion to suppress populations of *Anastrepha suspensa*. 2234
Whole town treatment for fruit fly control. 2236
- PROTEIN SYNTHESIS**
Demonstration of the synthesis of a yolk protein under the influence of the corpora allata in *Leucophaea maderae*. 2046
Characteristics of in vitro protein synthesis systems from *Rhizoctonia solani* and *Sclerotium bataticola*. 2456
- PROTEINS**
Cellular and extracellular activities implementing selective assimilation of yolk proteins by *Cecropia* oocytes. 1919
The feeding of the mole cricket and its effect on outbreaks and control. 1973
Effect of radiofrequency electric field treatment on protein metabolism in yellow mealworm larvae. 1993
Developmental changes in the late larva of *Caliphora stygia*. I. Haemolymph. 1998
Aspects of RNA and protein synthesis in imaginal discs of *Drosophila melanogaster*. 2078
The coat protein gene of tobacco mosaic virus. I. Location of the gene by mixed infection. 2142
A new source of high protein in oats. 2193
Effect of arginine or serine on the need for glycine by the chick fed amino acid or casein diets. 2273
Metabolism of blood proteins in hens during natural and artificial moulting. 2310
Loss of serum proteins via the intestinal tract in calves with infectious diarrhea. 2317
Gastrointestinal protein loss in cattle. A clinical and pathophysiological study. 2324
Kinetics of viral deoxyribonucleic acid, protein, and infectious particle production and alterations in host macromolecular syntheses in equine abortion (Herpes) virus-infected cells. 2327
- PROTOZOA**
Equine protozoan diarrhea (equine intestinal Trichomoniasis) at Trinidad racetracks. 2278
The effects of moldy alfalfa hay feeding on rumen activity, rumen protozoa and dairy steer performance, and analysis of toxic substance(s) associated with molding. 2323
- PRUNE DWARF**
Investigations concerning ringspot virus disease of the cherry. III. Serological investigations. 2168
- PRUNING**
Ear removal and cell death rate in corn stalk tissue. 2163
- PRUNUS**
Stem pitting of Italian prune. 2124
Stem pitting in *Prunus* spp. other than peach. 2154
- PSEUDOMONADS**
Some comparisons of chlorosis-inducing Pseudomonad toxins. 2177
- PSEUDOMONAS AERUGINOSA**
Pulmonary diseases of pig in Madagascar. 2335
- PSEUDOMONAS CORONAFACIENS**
Some comparisons of chlorosis-inducing Pseudomonad toxins. 2177
- PSEUDOMONAS GLYCINEA**
Some comparisons of chlorosis-inducing Pseudomonad toxins. 2177
- PSEUDOMONAS PHASEOLICOLA**
Some comparisons of chlorosis-inducing Pseudomonad toxins. 2177
- PSEUDOMONAS SYRINGAE**
Bacteriophage labeling of *Pseudomonas syringae*. 2134
- PSEUDOMONAS TABACI**
Some comparisons of chlorosis-inducing Pseudomonad toxins. 2177
- PSEUDOPHYLLIDEA**
Sparganosis in a cat. 2376
- PSEUDOTSUGA MENZIESII**
Distribution of hibernating larvae of the western budworm, *Choristoneura occidentalis*, on Douglas-fir in Colorado. 2226
- PSYLLIDAE**
Supplementary information on Korean Psyllidae. (Homoptera Psyllodea). 1999
- PUBESCENCE**
Leaf pubescence in common wheat, *Triticum aestivum* L., and resistance to the cereal leaf beetle, *Oulema melanopus* (L.). 2111
- PUBLIC HEALTH**
Development and perspectives of biological control. 1976
Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Endosulfan. 2408
- PUCGINIA CORONATA**
Additional sources of tolerance to oat crown rust. 2176
- PUCGINIA HORIANA**
Wind dispersal of *Puccinia horiana*. 2196
On the incubation period of *Puccinia horiana*. 2197
- PUCGINIA STRIIFORMIS**
Differences in reaction to *Puccinia striiformis* between first and second leaves in wheat crosses. 2185
- PUPAL CASES**
Comparative chromatographic investigations of Arthropod cocoons. 1931
- PURIFICATION**
Purification and properties of broad bean wilt virus. 2189
Infrared spectrography of myxoviruses. 2291
Biochemistry of friend virus-infected cells. I. Virionspecific RNA. 2292
- PYRENOCHAETA TERRESTRIS**
Resistance mechanisms against onion pink root (*Pyrenochaeta terrestris*), bioassay of inoculum potential in soil and chemical control. 2174
- PYRIMIDINES**
Pyrimidine hydrates and dimers in ultraviolet-irradiated tobacco mosaic virus ribonucleic acid. 2178
- PYRRHOCORIS APTERUS**
Changes in glycogen, lipid, and nitrogen metabolism of the imago of *Pyrrhocoris apterus* L. in connection with the reproduction process. 1989
Studies on the physiology of the fat body of *Pyrrhocoris apterus* L. 2008
- PYTHIUM**
Phytophthora crown and root rot of hops in California. 2181
- PYTHIUM APHANIDERMATUM**
Mechanism of resistance of carrot roots to *Pythium aphanidermatum* (Eds.) Fitz. 2126

SUBJECT INDEX

PYTHIUM ULTIMUM

PYTHIUM ULTIMUM

Influence of soil water and temperature on the pea root rot complex caused by *Pythium ultimum* and *Fusarium solani* f. sp. *pisi*. 2146

QUAIL

Research on the relationship between the tumor causing virus of the quail and the rous sarcoma virus. 2334

QUANTITATIVE ANALYSIS

Fatty acids in *Hyalophora cecropia*: Biosynthesis and constitution during development. 2055

An approach to the study of the population dynamics of *Aphanomyces euteiches* in soil. 2155

Influence of the proliferation virus upon the quality and quantity of apple fruits. 2199

QUARANTINE

Domestic quarantine notices. Cereal leaf beetle. 2201

QUERCUS RUBRA

An oak leaf tier, *Croesia semipurpurana* (Kft.) (Lepidoptera: Tortricidae) in the region of Quebec. 2212

QUINAPYRAMINE

Observations on the use of Antrycide Prosalt and the resistance of cattle to Trypanosomiasis. 2285

RABBITS

Establishment and treatment of cutaneous *Candida albicans* infection in the rabbit. 2316

An experimental study of the allergen-specific-enzymatic factor. II. Isolation trials of the allergen-specific enzymatic factor from the urine of rabbits. 2322

Coccidiosis in wild rabbits, *Oryctolagus cuniculus* (L.), at four sites in different climatic regions in eastern Australia. I. Relationship with the age of the rabbit. 2343

Toxoplasma gondii in tissue culture and maintenance at low temperatures. 2363

RABIES

History and epidemiology of rabies in wildlife in New York. 2293

Control of rabies in wildlife in New York. 2329

Bats in California. 2357

RADIATION

Influence of distance on attraction of tobacco hornworm and corn earworm moths to radiations of a blacklight lamp. 2057

RADIOACTIVITY

Effect of radiofrequency electric field treatment on protein metabolism in yellow mealworm larvae. 1993

Biochemistry of friend virus-infected cells. I. Virion-specific RNA. 2292

RADIOISOTOPES

The distribution of radioactive strontium, cesium and iodine in the bodies of some insects. 1937

RAINFALL

The effect of climatic integrants on population fluctuations of the Columbian timber beetle *Corthylus columbianus* Hopkins (Coleoptera: Scolytidae) 2015

Effects of simulated rain and dew on the toxicity of certain ultra-low-volume insecticidal spray formulations. 2020

RANGES

Apion seed weevil introduced for biological control of Scotch broom. 2254

Carbohydrate reserves in mountain range plants with respect to phenological stage of development and artificial defoliation. 2446

RAPE

A new biotype of cabbage aphid (*Brevicoryne brassicae* (L.)) on aphid resistant rape (*Brassica napus* L.). 2220

RASPBERRIES

Line pattern disease of raspberry. 2118

RATS

Nature of the water-soluble metabolites of carbaryl in bean plants and their fate in rats. 2267

Stability of *Escherichia coli* endotoxin in the rat gastrointestinal tract. 2279

Failure of oral *Escherichia coli* endotoxin to induce either specific tolerance or toxic symptoms in rats. 2280

Effects of DDT on brain electrical activity in awake, unrestrained rats. 2352

Oxidative metabolism of phosphamidon in rats and a goat. 2388

The early effects of low DDT doses on the nervous system in animal experiments. 2428

The effect of DDT in the diet on the resting and loading electrocorticogram record. 2430

Toxicity of fentin hydroxide to rats. 2431

Cholinesterase inhibition in the acute toxicity of alkylsubstituted 2-aminoethanols. 2432

RATTLE DISEASE

Electron microscopic observations on the causal agent of the Brazilian tomato ring spot disease. 2175

RECTUM

Structure and function of the rectal pads in Hymenoptera. 1922

RED CLOVER

Purification and properties of broad bean wilt virus. 2189

Aphids and leafhoppers found on red clover in eastern Washington. 2221

Interaction of a fungus gnat, *Bradysia* sp. (Sciaridae) with *Fusarium* spp. on alfalfa and red clover. 2222

REDUVIIDAE

Revision of African Reduviidae. II. Harpactorinae. Genus *Nagusta* Stal. 1914

REGULATION (PESTICIDES)

Notice of filing of petitions regarding pesticide chemicals and food additives. 2396

Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. O-ethyl S-phenyl ethylphosphonodithioate. 2416

REGULATIONS

Domestic quarantine notices. Cereal leaf beetle. 2201

REPORTS

Report of third work conference on the use of nuclearpolyhedrosis virus for control of *Heliothis* species. 1934

Progress report on Johnsongrass control in orchards. 2256

REPRODUCTION

Influence of moisture content of bovine feces on oviposition and development of the face fly. 1927

Competitive mating tests between normal and aspermic male house flies. 2035

Organogenesis of the female reproductive system of an aedine mosquito. 2038

Performance of the English grain aphid on sterilized and unsterilized artificial diet. 2059

Modern methods of disease control in florist and nursery crops. 2117

Effect of DDT or parathion on condition avoidance response of offspring from DDT or parathion treated mothers. (abstract). 2427

REPRODUCTIVE ORGANS

The anatomy and physiology of the morabine grasshoppers. III. Muscles, nerves, tracheae, and genitalia. 1930

The function of the accessory sex glands in *Periplaneta americana* (L.). I. A quantitative bioassay for the juvenile hormone. 1933

Histochemistry and ultrastructure of the feminine genital ducts of *Gryllotalpa gryllotalpa* L. 2016

Histopathology of the developing reproductive system of *Aedes stimulans* (Walker) (Diptera: Culicidae) under thermal stress. 2026

Geographical variation in *Paprides nitidus* (Hutton) (Orthoptera: Acrididae). 2028

A morphological and functional study of the venom apparatus in representatives of some major groups of Hymenoptera. 2036

Organogenesis of the female reproductive system of an aedine mosquito. 2038

Evolutionary morphology of insect genitalia as exemplified by the sawfly *Euura* (Hymenoptera: Tenthredinidae). 2052

Studies on the morphology and relationships of male *Apiomorpha* and *Opisthoscelis* (Hemiptera: Coccoidea). 2061

RESEARCH

Modified container for study of photoperiodism. 1857

A vacuum probe for manipulating insects. 1859

A technique for studying the feeding habits of the horn fly. 1860

An automated repellency-assay system. II. A new electronic bitometer-timer. 1861

Standardized procedures adopted for cooperative Ohio Valley States alfalfa weevil research. 1920

Field and laboratory studies of attraction of the synthetic sex pheromone to male cabbage looper moths. 1986

A comparative study of communication in grasshoppers. 2023

Records of predators and parasites naturally prevalent in the Gujarat state. 2024

Competitive mating tests between normal and aspermic male house flies. 2035

- The use of imaginal disks for the determination of the developmental stage of larvae of *Chironomus* (Dipt.). 2071
- Problems in plant pathology and entomology field trials. 2109
- Metabolic studies with *O,O*-diethyl *O*-(3,5,6-trichloro-2-pyridyl) phosphorothioate (dursban) insecticide in a lactating cow. 2296
- Experimental *Pasteurella multocida* infection in chickens exposed to cold: Biochemical and bacteriological investigations. 2301
- Studies on the tumours of the domestic animals. I. Lymphatic leukaemia of the swine. 2308
- Studies on the tumours of the domestic animals. II. Tumours of the swine. 2309
- An experimental study of the allergen-specific enzymatic factor. II. Isolation trials of the allergen-specific enzymatic factor from the urine of rabbits. 2322
- Studies on bovine tuberculosis. Effects of repeated tuberculations in infected cattle. 2326
- Research on diseases of poultry. 2331
- Pathologic responses of the mature and developing nervous system to bluetongue virus. 2336
- Research and testing of preparations on rodents in the habitat of man. 2442
- Preliminary study on the effect of gibberellic acid on fruit set in the Cherimoya. 2452
- A portable instrumented tower for use in meteorologically related research. 2468
- RESIDUES**
- Nature of the water-soluble metabolites of carbaryl in bean plants and their fate in rats. 2267
- Air pollution damage to chrysanthemum foliage. 2387
- Degradation of DDT in Atlantic salmon (*Salmo salar*). 2400
- Succinic acid 2,2-dimethylhydrazide. Notice of extension of temporary tolerance. 2405
- Food additives permitted in food for human consumption. Tylosin. 2407
- RESINS**
- Studies on the attack behavior of the southern pine beetle. IV. Influence of host condition on aggregation pattern. 2064
- RESISTANCE**
- DDT resistance in barley, *Hordeum vulgare*. I. Induced mutants for resistance. 2114
- Transmissible resistance factors in enterobacteriaceae isolated in Algeria. 2441
- RESPIRATION**
- The effect of molds on the enzymic activity, respiration and viability of stored grain. 2381
- RESPIRATORY DISEASES**
- Pulmonary diseases of pig in Madagascar. 2335
- Food additives permitted in food for human consumption. Tylosin. 2407
- RETICULOENDOTHELIOSIS**
- Cytochemical studies on the lesion of equine infectious anemia. VII. Especially on the enzyme histochemistry of RES (Reticulo-Endothelial System) in the liver and spleen. 2300
- RHIZOBIUM TRIFOLI**
- Interrelationships between root-nodule bacteria, plant-parasitic nematodes and their leguminous host. 2261
- RHIZOCTONIA SOLANI**
- Heritability of seeding disease characteristics in flax. 2162
- Enzymic browning and free tyrosine in potatoes as affected by pentachloronitrobenzene. 2188
- The effects of plant amendments and their associated microflora on *Rhizoctonia solani* Kuehn. 2451
- Characteristics of in vitro protein synthesis systems from *Rhizoctonia solani* and *Sclerotium bataticola*. 2456
- RHIZOPUS STOLONIFER**
- Mechanism of resistance of carrot roots to *Pythium aphanidermatum* (Eds.) Fitz. 2126
- RHIZOSPHERE**
- Plant treatment in relation to the rhizosphere effect. II. Foliar applications of certain chemicals and antibiotics in relation to the rhizosphere microflora of rice (*Oryza sativa* L.). 2458
- RHYACIA AUGUR**
- Rhyacia augur* F. and other climbing cutworms (Lepidoptera). 2215
- RHYACIONIA**
- An accurate and safe hand-operated, vehicle-mounted applicator for granular insecticides in seed orchards. 2469
- RHYZOPERTHA DOMINICA**
- Fumigation of food grains in India with hydrogen phosphide. I. Tests in concrete bins. 2230
- RIBONUCLEIC ACID**
- Observations on the histo-morphology of the labial glands in *Neodiprion sertifer* Geoffroy (Hymenoptera Diprionidae). 1961
- Aspects of RNA and protein synthesis in imaginal discs of *Drosophila melanogaster*. 2078
- The coat protein gene of tobacco mosaic virus. I. Location of the gene by mixed infection. 2142
- Pyrimidine hydrates and dimers in ultraviolet-irradiated tobacco mosaic virus ribonucleic acid. 2178
- Purification and properties of broad bean wilt virus. 2189
- Biochemistry of friend virus-infected cells. I. Virionspecific RNA. 2292
- RIBOSOMES**
- Cytology of the sporangium of *Phytophthora capsici*. 2194
- Characteristics of in vitro protein synthesis systems from *Rhizoctonia solani* and *Sclerotium bataticola*. 2456
- RICE**
- Mass rearing technique of rice gall midge (*Pachytiplosis oryzae* Wood-Mason) and notes on its biology. 2002
- 1968 U.S. rice production statistics. 2099
- A rice seed farm in Central America. 2107
- Epidemiology and prevention of bacterial blight disease of rice in India. 2183
- The effect of drainage on physiological disorders of rice grown on the sub-coastal plains of the Adelaide River, N.T. 2184
- Influence of moisture content, temperature, and time of storage upon invasion of rough rice by storage fungi. 2380
- A new simple method for protecting rice against rice weevil (*Sitophilus oryzae*). 2384
- Effects of lindane and carharyl on insects, soil and plant nitrogen, and grain yield of rice. 2445
- Plant treatment in relation to the rhizosphere effect. II. Foliar applications of certain chemicals and antibiotics in relation to the rhizosphere microflora of rice (*Oryza sativa* L.). 2458
- RICKETTSIA**
- Eradication efforts against tropical bont tick, *Amblyomma variegatum* in the Virgin Islands. 2354
- RICKETTSIAL DISEASES**
- Serological survey on the Rickettsioses in dromedary in Chad. 2319
- Eperythrozoon tuomii*, sp. n. (Rickettsiales) third species of *Eperythrozoon* in cattle in Malagasy Republic. 2347
- RINDERPEST VIRUS**
- Application of the kinetic seroneutralization test to the research of Rinderpest neutralizing antibodies in cattle sheep and goat. 2282
- Presence of antibodies against Rinderpest in dromedary in Chad. 2318
- RING SPOT**
- Line pattern disease of raspberry. 2118
- Investigations concerning ringspot virus disease of the cherry. III. Serological investigations. 2168
- Distribution of cucurbit viruses in Kansas. 2171
- Electron microscopic observations on the causal agent of the Brazilian tomato ring spot disease. 2175
- RING TEST**
- Mechanism of the ring forming in the ABR test. 2274
- RODENT CONTROL**
- Research and testing of preparations on rodents in the habitat of man. 2442
- RODENTICIDES**
- Research and testing of preparations on rodents in the habitat of man. 2442
- RODENTS**
- Sofar unnoticed damage to fruit trees, brought about by field mice. 2263
- Research and testing of preparations on rodents in the habitat of man. 2442
- RONNEL**
- Notice of filing of petition regarding pesticide chemicals. 2414
- ROOT CROPS**
- Notice of filing of petition regarding pesticide chemicals. 2391
- ROOT HAIRS**
- Nodulation of *Medicago sativa* in solution culture. III. Effects of nitrate on root hairs and infection. 2157
- ROOT ROT**
- Reduction in mortality of peach trees following preplant soil fumigation. 2103

SUBJECT INDEX

- ROOTS**
- Phytophthora cinnamomi Rands on conifers in New South Wales. 2121
- Annosus root-rot in slash pine plantations four years after thinning and stump treatments. 2138
- Influence of soil water and temperature on the pea root rot complex caused by Pythium ultimum and Fusarium solani f. sp. pisi. 2146
- An approach to the study of the population dynamics of Aphanomyces euteiches in soil. 2155
- Phytophthora crown and root rot of hops in California. 2181
- The effect of drainage on physiological disorders of rice grown on the sub-coastal plains of the Adelaide River, N.T. 2184
- ROOTS**
- Mechanism of resistance of carrot roots to Pythium aphanidermatum (Eds.) Fitz. 2126
- Ear removal and cell death rate in corn stalk tissue. 2163
- Citrus-root nematode in Iran. 2246
- Species dominance in co-incident infections by Meloidogyne hapla and M. javanica on tomato. 2247
- Interrelationships between root-nodule bacteria, plant-parasitic nematodes and their leguminous host. 2261
- Survival of root-infecting fungi in soil. X. Sensitivity of propagules of Thielaviopsis basicola to soil fungistasis in natural and alfalfa-amended soil. 2444
- Plant treatment in relation to the rhizosphere effect. II. Foliar applications of certain chemicals and antibiotics in relation to the rhizosphere microflora of rice (Oryza sativa L.). 2458
- ROUS SARCOMA**
- Research on the relationship between the tumor causing virus of the quail and the rous sarcoma virus. 2334
- ROUS SARCOMA VIRUS**
- A modified mixed hemadsorption test and its application in the study of the avian leukosis-sarcoma viruses. 2337
- RUMEN**
- The effects of moldy alfalfa hay feeding on rumen activity, rumen protozoa and dairy steer performance, and analysis of toxic substance(s) associated with molding. 2323
- RUMINANTS**
- Tympanol. Drugs for veterinary use; drug efficacy study implementation. 2315
- Liver-fluke in Madagascar. Biological cycle of Fasciola gigantica. 2361
- RUST**
- Comandra rust damage to ponderosa pine in Oregon and Washington. 2104
- Differences in reaction to Puccinia striiformis between first and second leaves in wheat crosses. 2185
- A new source of high protein in oats. 2193
- Wind dispersal of Puccinia horiana. 2196
- SALIVA**
- Biochemical analysis of aphid saliva and its importance in gall development. 2233
- SALIVARY GLANDS (INSECTS)**
- Variations of nucleic acid content in the salivary glands of Drosophila hydei during late larval development. 1949
- Observations on the histo-morphology of the labial glands in Neodiprion sertifer Geoffroy (Hymenoptera Diprionidae). 1961
- Biochemical analysis of aphid saliva and its importance in gall development. 2233
- SALMON**
- Degradation of DDT in Atlantic salmon (Salmo salar). 2400
- SALMONELLA**
- Salmonella species. First isolations, names and occurrence. QR82.S27K4. 2303
- Salmonella infection in calves and other animals. II. Comparison of selective media. 2325
- Research on diseases of poultry. 2331
- Antigen conversion in Salmonella. XI. Conversion in the N(O:30) group. 2437
- A new species of Salmonella of Nigerian origin, Salmonella Biafra. (3, 10:z10:26). 2439
- Transmissible resistance factors in enterobacteriaceae isolated in Algeria. 2441
- SALMONELLA CHOLERAESUIS**
- Experience obtained from the use of formal-adsorbat vaccines against Salmonella cholerae-suis in pig stocks. 2339
- SALMONELLOSIS**
- Experiments for liquidating abortions in ewes on sheep farms with abortions. 2330
- Experience obtained from the use of formal-adsorbat vaccines against Salmonella cholerae-suis in pig stocks. 2339
- SALTS**
- Control of weeds in wheat crop by 2,4-D. 2260
- Cadmium salts. Drugs for veterinary use - drug efficacy study implementation. 2368
- Notice of withdrawal of petition regarding pesticides. 2394
- SAMPLING (STATISTICS)**
- Sampling to detect economic infestations of Limonius spp. 2022
- SAP**
- Proof of the presence of the tomato bushy stunt virus in grape tendrils. 2120
- SARCOMA**
- Hemangiosarcoma in a dog. 2342
- Transmission of equine sarcoid. 2348
- SARCOPHAGA**
- New species of the Sarcophaga Meigen genus (Fam. Sarcophagidae, Diptera). 1890
- SARCOPTIFORMES**
- A remarkable tick found on a tarsier (Heteroceptidae f. n.:Sarcoptiformes). 1957
- SATURNIIDAE**
- Comparative chromatographic investigations of Arthropod cocoons. 1931
- SCAB**
- Chemical control of scab on citrus in Florida. 2136
- SCARABAEIDAE**
- Structure and ecdysial process of the larval spiracles of the Scarabaeoidea, with special reference to those of Lepidoderma. 1983
- SCELIONIDAE**
- A new genus of Scelionidae (Hymenoptera) with austral disjunctive distribution. 1897
- SCENT GLANDS**
- Morphological and histochemical study of the scent gland in the pond-skater, Gerris spinolae Leth. et Seu. (Gerridae-Insecta). 2032
- SCHIZAPHIS GRAMINUM**
- Transmission of maize dwarf mosaic by the greenhug, Schizaphis graminum. 2214
- SCHIZOLACHNUS PINIRADIATAE**
- Fluctuations in the population of Schizolachnus piniradiatae (Davidson) (Aphididae-Homoptera) in the Eastern Provinces during 1967. 2048
- SCIARIDAE**
- Interaction of a fungus gnat, Bradysia sp. (Sciaridae) with Fusarium spp. on alfalfa and red clover. 2222
- SCLERODERRIS LAGERBERGII**
- Susceptibility of three pine species to Scleroderis lagerbergii in Upper Michigan. 2129
- SCLEROSPORA SORGHII**
- Downy mildew of sorghum in Georgia. 2182
- SCLEROTINIA FRUCTICOLA**
- The longevity of conidia of Sclerotinia fructicola (Wint.) Rehm under field conditions. 2140
- SCLEROTIUM BATATICOLA**
- Characteristics of in vitro protein synthesis systems from Rhizoctonia solani and Sclerotium bataticola. 2456
- SCLEROTIUM ROLFSSII**
- Biochemical studies on Sclerotium rolfssii Sacc. 2144
- Effect of trifluralin on growth of Sclerotium rolfssii in liquid culture and soil. 2459
- SCOLOPENDROMORPHIDAE**
- Some observations on chemoreception in the antennae of the centipede, Scolopendra subspinipes Leach (Mandibulata-Chilopoda). 2062
- SCOLYTIDAE**
- The bark beetles of Greece and Cyprus. (249. Contribution to the morphology and taxonomy of the Scolytoidea). 1909
- Studies on the attack behavior of the southern pine beetle. II. Response to attractive host material. 1943
- The effect of climatic integrants on population fluctuations of the Columbian timber beetle Corthylus columbianus Hopkins (Coleoptera: Scolytidae). 2015
- SCOLYTUS MULTISTRIATUS**
- Dutch elm disease detected in Mississippi. 2195
- SCOPOLIN**
- Effects of potassium, magnesium, and nitrogen deficiencies on the concentration of chlorogenic acid and scopolin in tobacco. 2116
- SCORPIONIDA**
- Scorpion preservation for taxonomic and morphological studies. 2070
- Release of an acetylcholine-like substance from guinea pig ileum by scorpion venom. 2429

- Effect of the venom of the scorpion *Tityus serrulatus* on adrenal gland catecholamines. 2433
- Incomplete sodium inactivation in nodes of Ranvier treated with scorpion venom. 2436
- SCUTACARIDAE**
A survey of the scutacarid (Acari: Tarsonemini) fauna of Australia. 1895
- SEASONAL VARIATION**
The ecology of a natural population of the Queensland fruit fly, *Dacus tryoni*. I. The parameters of the pupal and adult populations during a single season. 2205
An ecological study of some soil nematodes associated with apple trees in a New Zealand grassed orchard. 2241
- SECRETION**
The anal glands of *Gryllotalpa gryllotalpa* L. ultrastructure and histochemistry. 1948
Histochemistry and ultrastructure of the feminine genital ducts of *Gryllotalpa gryllotalpa* L. 2016
- SEDIMENTATION**
Mechanism of the sediment forming in the agglutination test performed with *Brucella abortus* suspension. 2275
Biochemistry of friend virus-infected cells. I. Virionspecific RNA. 2292
- SEED ANALYSIS**
Epidemiology and prevention of bacterial blight disease of rice in India. 2183
- SEED GERMINATION**
Germination, growth, and respiration rates of birdsfoot trefoil at three temperatures during the early nonphotosynthetic stage of development. 2110
Relative susceptibility of three peanut cultivars to fat leg (seedling growth anomaly) caused by seed treatment with an organic mercury fungicide. 2119
Survival of root-infecting fungi in soil. X. Sensitivity of propagules of *Thielaviopsis basicola* to soil fungistasis in natural and alfalfa-amended soil. 2444
Biological activity of PA-X, a plant regulator from bean seeds. 2460
- SEED PLANTING**
Coated celery seed aids mechanization efforts. 2470
- SEED TREATMENT**
Relative susceptibility of three peanut cultivars to fat leg (seedling growth anomaly) caused by seed treatment with an organic mercury fungicide. 2119
- SEEDLINGS**
Seedlings vigor evaluation of four birdsfoot trefoil varieties grown under two temperature regimes. 2106
Germination, growth, and respiration rates of birdsfoot trefoil at three temperatures during the early nonphotosynthetic stage of development. 2110
Plot techniques with maize dwarf mosaic virus: II. Greenhouse studies. 2150
An approach to the study of the population dynamics of *Aphanomyces euteiches* in soil. 2155
Gene dosage effects on monogenic chlorotic lesion resistance to northern corn leaf blight. 2158
- Heritability of seeding disease characteristics in flax. 2162
- Ontogeny of vessels influence the development of *Verticillium* in young cotton plants. 2166
- Differences in reaction to *Puccinia striiformis* between first and second leaves in wheat crosses. 2185
- A mass screening procedure for isolating alfalfa seedlings with resistance to the alfalfa weevil. 2204
- SEEDS**
A rice seed farm in Central America. 2107
Survival of soybean cyst nematodes in seed bags. 2243
Apion seed weevil introduced for biological control of Scotch broom. 2254
Preliminary study on the effect of gibberellic acid on fruit set in the Cherimoya. 2452
An accurate and safe hand-operated, vehicle-mounted applicator for granular insecticides in seed orchards. 2469
Coated celery seed aids mechanization efforts. 2470
- SENSE ORGANS**
On the mechanism involved in perception of light stimuli during the photoperiodic reaction in *Lepidoptera* caterpillars. (TT 61-23975). 1967
Physiological bases for the luring and catching of insects. 2069
- SERINE**
Effect of arginine or serine on the need for glycine by the chick fed amino acid or casein diets. 2273
- SERINE HYDROXYMETHYLTRANSFERASE**
Effect of arginine or serine on the need for glycine by the chick fed amino acid or casein diets. 2273
- SEROLOGICAL TESTS**
Proof of the presence of the tomato husky stunt virus in grape tendrils. 2120
Cell inclusions of Holmes' ribgrass virus, an analog of tobacco mosaic virus. 2153
Investigations concerning ringspot virus disease of the cherry. III. Serological investigations. 2168
Purification and properties of broad bean wilt virus. 2189
Stability of *Escherichia coli* endotoxin in the rat gastrointestinal tract. 2279
Application of the kinetic seroneutralization test to the research of Rinderpest neutralizing antibodies in cattle sheep and goat. 2282
Materials on the epidemiology of tick-borne encephalitis in the zone of construction of Sayano-Shushenskaya hydropower station. 2289
Presence of antibodies against Rinderpest in dromedary in Chad. 2318
Serological survey on the Rickettsioses in dromedary in Chad. 2319
Serological differentiation of mycoplasma in swine. 2338
A new species of *Salmonella* of Nigerian origin, *Salmonella* Biafra. (3, 10:z10:26). 2439
- SERUM**
Cellular and extracellular activities implementing selective assimilation of yolk proteins by *Cecropia* oocytes. 1919
Materials on the epidemiology of tick-borne encephalitis in the zone of construction of Sayano-Shushenskaya hydropower station. 2289
Loss of serum proteins via the intestinal tract in calves with infectious diarrhea. 2317
A study of immunological reactions in bovine fascioloidiasis (*Fascioloides magna*). 2359
- SEX**
Field and laboratory studies of attraction of the synthetic sex pheromone to male cabbage looper moths. 1986
Isolation of a sex pheromone of the codling moth. 2013
Sex and selection for a quantitative character in *Drosophila*. I. Single-sex selection. 2076
Sex and selection for a quantitative character in *Drosophila*. II. The sex dimorphism. 2077
- SEX ATTRACTANTS**
Behavioral and physiological aspects of mating and oviposition by the adult western corn rootworm, *Diabrotica virgifera* LeConte. 1936
- SEX BEHAVIOR**
Bionomics and taxonomy of *Meloe* (Coleoptera, Meloidae), with a classification of the New World species. 1903
Principles of crowding effect in *Aphis gossypii* Glover (Aphididae, Homoptera). 1975
A comparative study of communication in grasshoppers. 2023
- SEX DETERMINATION**
Automated sexing of pupae and its usefulness in control by sterile insects. 2097
- SEX RATIOS**
Viability, proportion between the sexes and of the X chromosomes of *Drosophila melanogaster*. 2074
Species dominance in co-incident infections by *Meloidogyne hapla* and *M. javanica* on tomato. 2247
- SHEEP**
Moldy feeds pose hazard. 2277
Application of the kinetic seroneutralization test to the research of Rinderpest neutralizing antibodies in cattle sheep and goat. 2282
Enterotoxaemia: Deadly disease of sheep. 2290
Researches concerning the toxoplasmosis identification and the toxoplasmic abortion in the ovic cattle of Banat. 2294
The pathogenesis of ovine Contagious Ecthyma. 2307
Immunity in ewes resulting from natural exposure to *Vibrio fetus*. 2321
Experiments for liquidating abortions in ewes on sheep farms with abortions. 2330
Pathologic responses of the mature and developing nervous system to bluetongue virus. 2336
Effect of thiabendazole on *Pithomyces chartarum* (Berk. Curt.) M. B. Ellis. 2340

SUBJECT INDEX

SILICONES

Cytology of pink-eye of sheep, including a reference to trachoma of man, by employing acridine orange and iodine stains, and isolation of *Mycoplasma* agents from infected sheep eyes. 2344

Liver-fluke in Madagascar. Biological cycle of *Fasciola gigantica*. 2361

Notice of filing of petition regarding pesticide chemicals. 2392

Notice of filing of petition regarding pesticide chemicals. 2393

The effect of even or uneven applications of DDT prills to pasture on DDT residues in stock. 2402

Notice of filing of petition regarding pesticide chemicals. 2414

Heptachlor residues in soil, pasture, and stock resulting from the treatment of soil or pasture with heptachlor granules. 2424

SILICONES

Tympanol. Drugs for veterinary use; drug efficacy study implementation. 2315

SILVER NITRATE

Thin-layer chromatography of bromacil residues in soils. 2401

SITONA CYLINDRICOLLIS

Effect of temperature, light, and date of collection on the feeding rate of the sweetclover weevil. 2209

SITOPHILUS ORYZAE

Fumigation of food grains in India with hydrogen phosphide. I. Tests in concrete bins. 2230

A new simple method for protecting rice against rice weevil (*Sitophilus oryzae*). 2384

SKIN

Establishment and treatment of cutaneous *Candida albicans* infection in the rabbit. 2316

Occurrence of a skin response to intracutaneous injection of adrenaline as a method to detect the effects of endotoxins in pig organism. 2349

SMELL

Fatty tissue biopsy in pigs. 2299

SNAILS

Liver-fluke in Madagascar. Biological cycle of *Fasciola gigantica*. 2361

SNAKE VENOM

Collagenolytic activity of snake and spider venoms. 2435

SNAKES

Collagenolytic activity of snake and spider venoms. 2435

SOCIAL INSECTS

Performance of laboratory-reared and artificially inseminated honey bee queens. 1950

Biology and colonization of the winter tick in the laboratory. 1952

Investigation into the appearance of the three castes in the bumblebee colony. 2040

Comparative bee sociology I. Origin of communal and caste systems. 2042

Insect and host factors in the aggregation of the southern pine beetle. 2065

SODIUM

Control of weeds in wheat crop by 2,4-D. 2260

Caparsolate sodium. Drugs for veterinary use - drug efficacy study implementation. 2369

Notice of withdrawal of petition regarding pesticides. 2394

SODIUM BORATE

Notice of filing of petition regarding pesticide chemicals. 2410

SOIL ADSORPTION

Several factors affecting adsorption of atrazine and diphenamid by soils. 2386

Use of carbon to reduce uptake of insecticidal soil residues by crop plants. Effects of carbon on insecticide adsorption and toxicity in soils. 2419

Adsorption of some pesticides on soils, clay minerals and humic acid. 2420

Omega, a useful index of soil sorption equilibria. 2464

Adsorption of 3-aminotriazole by montmorillonite. 2466

SOIL ANALYSIS

Several factors affecting adsorption of atrazine and diphenamid by soils. 2386

SOIL CONTAMINATION

Effects of isobenzan on soil fauna and soil structure. 2404

SOIL EXTRACTS

Cytology of the sporangium of *Phytophthora capsici*. 2194

SOIL FAUNA

The effect of some pesticides on the soil invertebrate fauna in the South Taiga Zone in the Perm Region (USSR). 2238

Effects of isobenzan on soil fauna and soil structure. 2404

SOIL FUMIGATION

Reduction in mortality of peach trees following preplant soil fumigation. 2103

The effects of host nutrition and soil fumigation on the penetration and pathogenicity of *Meloidogyne javanica* (Treub, 1885) Chitwood, 1949 on tomato. 2252

Nebraska root-gall nematode of sugar beets. 2253

SOIL FUNGI

An approach to the study of the population dynamics of *Aphanomyces euteiches* in soil. 2155

Survival of root-infecting fungi in soil. X. Sensitivity of propagules of *Thielaviopsis basicola* to soil fungistasis in natural and alfalfa-amended soil. 2444

Effect of trifluralin on growth of *Sclerotium rolfsii* in liquid culture and soil. 2459

SOIL HYDROGEN-ION CONCENTRATION

Survival of *Fomes annosus* spores in soil. 2148

Effect of trifluralin on growth of *Sclerotium rolfsii* in liquid culture and soil. 2459

SOIL INSECTICIDES

Heptachlor residues in soil, pasture, and stock resulting from the treatment of soil or pasture with heptachlor granules. 2424

SOIL INSECTS

On the soil fauna of meadow and alfalfa stocked fields of different locations with special consideration of the Oribatids. 2045

SOIL MICROORGANISMS

Nebraska root-gall nematode of sugar beets. 2253

Biochemical transformations of pesticides by soil micro-organisms. 2397

Degradation of monosodium methanearsonic acid by soil microorganisms. 2461

SOIL MOISTURE

Influence of soil water and temperature on the pea root rot complex caused by *Pythium ultimum* and *Fusarium solani* f. sp. *pisi*. 2146

An ecological study of some soil nematodes associated with apple trees in a New Zealand grassed orchard. 2241

SOIL SAMPLING (NEMATODES)

An ecological study of some soil nematodes associated with apple trees in a New Zealand grassed orchard. 2241

SOIL SERIES

The ecology of *Sminthurus viridis* (L.) (Collembola). I. Processes influencing numbers in pastures in Western Australia. 2067

Survival of *Fomes annosus* spores in soil. 2148

SOIL STERILIZATION

Saprophytic nematodes transmit *Streptomyces* phage. 2245

SOIL STRUCTURE

Effects of isobenzan on soil fauna and soil structure. 2404

SOIL TEMPERATURE

The role of moisture in the winter survival of the boll weevil complex in Arizona. 2001

Influence of soil water and temperature on the pea root rot complex caused by *Pythium ultimum* and *Fusarium solani* f. sp. *pisi*. 2146

SOIL TREATMENT

Resistance mechanisms against onion pink root (*Pyrenochaeta terrestris*), bioassay of inoculum potential in soil and chemical control. 2174

The effects of host nutrition and soil fumigation on the penetration and pathogenicity of *Meloidogyne javanica* (Treub, 1885) Chitwood, 1949 on tomato. 2252

SOIL-BORNE PLANT DISEASES

Arsenal for disease control. 2115

SOIL-PLANT-ANIMAL RELATIONS

Effects of isobenzan on soil fauna and soil structure. 2404

SOILS

Thin-layer chromatography of bromacil residues in soils. 2401

Use of carbon to reduce uptake of insecticidal soil residues by crop plants. Effects of carbon on insecticide adsorption and toxicity in soils. 2419

Effect of soil systemic insecticides on flavor and residue in coffee. 2423

Effects of lindane and cartharyl on insects, soil and plant nitrogen, and grain yield of rice. 2445

SORGHUM

Downy mildew of sorghum in Georgia. 2182

- Transmission of maize dwarf mosaic by the greenbug, *Schizaphis graminum*. 2214
- SORGHUM HALEPENSE**
Progress report on Johnsongrass control in orchards. 2256
Degradation of monosodium methanearsonic acid by soil microorganisms. 2461
- SOYBEANS**
Resistance to brown stem rot in soybeans. 2102
Survival of soybean cyst nematodes in seed bags. 2243
Notice of filing of petitions regarding pesticide chemicals and food additives. 2396
Selective action of chloroxuron on soybean and morningglory. 2448
- SPARGANOSIS**
Sparganosis in a cat. 2376
- SPARTINA ALTERNIFLORA**
Population dynamics of the common horseflies and deerflies (Tahaniidae: Diptera) breeding on a New Jersey salt marsh. 2037
- SPECTROMETRY**
Isolation of the population aggregating pheromone of the southern pine beetle. 2033
- SPECTROSCOPY**
Infrared spectrography of myxoviruses. 2291
The influence of varying dietary levels of magnesium, calcium and vitamin D on magnesium metabolism. 2341
Several factors affecting adsorption of atrazine and diphenamid by soils. 2386
- SPERMATHECA**
Histochemistry and ultrastructure of the feminine genital ducts of *Gryllotalpa gryllotalpa* L. 2016
- SPERMATOGENESIS**
Karyotypes and nuclear size in the spermatogenesis of grasshoppers belonging to the subfamilies Gomphomastacinae, Chininae and Biroellinae (Orthoptera, Eumastacidae). 2096
- SPHAEROCERIDAE**
On the subgenus *Opacifrons* Duda of the genus *Leptocera* Olivier (Diptera, Sphaeroceridae) with a description of a new species from northern Fennoscandia. 1879
- SPHINGIDAE**
Some remarks concerning sphinx moths catches on the island of Sumatra. Supplementary information concerning the knowledge of sphinx moths (II) (Lep. Sphingidae). 1887
- SPIDER VENOM**
Collagenolytic activity of snake and spider venoms. 2435
- SPIDERS**
On some species of the genus *Arctosa* C. L. Koch and *Tricca* Simon (Araneae-Lycosidae). 1892
Collagenolytic activity of snake and spider venoms. 2435
- SPILONOTA OCELLANA**
Biological notes on *Spilonota ocellana* Denis and Schiffermüller (Lepidoptera Tortricidae) in the foothill region of Friuli and preliminary indications on the factors adverse to its development. 1970
- SPIRACLES**
On the spiracles of the larvae of the suborder Myxophaga (Coleoptera). 1981
The structure of the spiracles of the cattle tick, *Boophilus microplus*. 1982
Structure and ecdysial process of the larval spiracles of the Scarabaeoidea, with special reference to those of Lepidoderma. 1983
- SPIROSTREPTIDAE**
Rondonema thapari n. sp. from the millipede (*Spirostreptus* sp.). 1958
- SPLEEN**
Biochemistry of friend virus-infected cells. I. Virionspecific RNA. 2292
Cytochemical studies on the lesion of equine infectious anemia. VII. Especially on the enzyme histochemistry of RES (Reticulo-Endothelial System) in the liver and spleen. 2300
- SPLENECTOMY**
Eperythrozoon tuomii, sp. n. (Rickettsiales) third species of *Eperythrozoon* in cattle in Malagasy Republic. 2347
- SPORANGIUM**
Cytology of the sporangium of *Phytophthora capsici*. 2194
- SPORES**
Survival of *Fomes annosus* spores in soil. 2148
Comparison of chloro and thiocyanato groups as fungal toxiphores in dinitrobenzenes. 2187
- SPORULATION**
Studies on the brown-eye-spot disease (*Cercospora coffeicola* Berk. et Cke.) of coffee (*Coffea arabica* L.). V. Nutritional requirements of the pathogen. 2186
- SPRAYING**
Pre-bloom oil sprays for European red mite control. 1932
Baygon in field tests against German cockroaches. 1935
The control of some species of pest insects by *Bacillus thuringiensis*. 1953
Effects of simulated rain and dew on the toxicity of certain ultra-low-volume insecticidal spray formulations. 2020
A comparative study on urea sprays upon some deciduous fruit trees. 2100
Arsenal for disease control. 2115
Contribution to the application method for fungicides to control potato blight. 2128
Chemical control of scab on citrus in Florida. 2136
Effect of dimethyl sulfoxide on tobacco mosaic. 2165
Epidemiology and prevention of bacterial blight disease of rice in India. 2183
Evaluation of fungicides for use against *Marasmius palmivorus* on oil palms. 2191
Scientists attack corn borer. 2202
Chemical control of mango hoppers (*Idiocerus* spp.). 2211
Comparison of herbicides and times of spraying for the control of blackberry (*Rubus fruticosus*). 2258
- Control of weeds in wheat crop by 2,4-D. 2260
Eradication efforts against tropical bont tick, *Amblyomma variegatum* in the Virgin Islands. 2354
Control of the northern fowl mite on laying hens with Shell SD-8447. 2358
Thin-layer chromatography of bromacil residues in soils. 2401
Effect on honey bees of dichlorvos and bromophos applied as sprays to white clover (*Trifolium repens* L.). 2440
Preliminary study on the effect of gibberellic acid on fruit set in the Cherimoya. 2452
Effect of 2,4-D and urea sprays on yield and fruit quality of Balady oranges. 2462
- SQUASH**
Local reaction and cross protection for strains of squash mosaic virus. 2131
Distribution of cucurbit viruses in Kansas. 2171
Purification and properties of broad bean wilt virus. 2189
- STAPHYLINIDAE**
On some Steninae from the Helsinki Zoological Museum (Coleoptera, Staphylinidae). (43. Contribution to the knowledge of the Steninae). 1904
Hymenoptera and nematodes as parasites of *Tachyporus* species (Col.; Staphylinidae) with special consideration of *Centistes lucidator* (Nees) (Hym.; Braconidae). 2223
- STAPHYLOCOCCUS**
The gross and microscopic changes in sublethal staphylococcal alpha-toxin pancreatitis in dogs. 2276
- STAPHYLOCOCCUS AUREUS**
Study on the incidence and etiology of mastitis in sows. 2302
- STATISTICAL ANALYSIS**
An automated repellency-assay system. II. A new electronic bitometer-timer. 1861
Rainbow's end: The quest for an optimal taxonomy. 1885
Population assessment of cotton bollworm in relation to pest control practices. 1974
Investigation into a conditional host modification by the ichneumonid fly *Perithous divinator* (Rossi) (Hym., Ichneumon.). 1984
The relative abundance of species in a wild population of Macro-Lepidoptera. 1985
Flight and ground collection records of *Costelytra zealandica* (White) at a site in Canterbury, New Zealand. 1996
On the food utilization and digestion of major food nutrients in the lepidopterous larvae feeding on cauliflowers. 2009
Consistency of Rst values of six organophosphorus pesticides resolved by thin-layer chromatography in the presence of plant extracts without elaborate clean-up. 2453
- STATISTICS**
1968 U.S. rice production statistics. 2099
- STEM PITTING**
Stem pitting of Italian prune. 2124
Stem pitting in *Prunus* spp. other than peach. 2154

SUBJECT INDEX

STEM RUST

STEM RUST

Genetic and cytogenetic studies of stem rust, leaf rust, and powdery mildew resistances in Hope and related wheat cultivars.

2151

STERILITY

Dispersal and local distribution of laboratory-reared sterile screw-worm flies released in winter.

1980

Competitive mating tests between normal and aspermic male house flies.

2035

Effects of apholate on the alfalfa weevil.

2053

STERILIZATION

Performance of the English grain aphid on sterilized and unsterilized artificial diet.

2059

On the sensitiveness of several wood-decaying fungi to gaseous sterilization with propylene oxide.

2449

STEROLS

A demonstration through symbiotic microorganisms of the effect of sterol synthesis in artificially fed aphids (Homoptera, Rhynchotha, Insecta).

1955

STIMULANTS

Influence of changes in the cotton plant during the season on the feeding, oviposition, and development of the boll weevil.

1923

Principles of crowding effect in *Aphis gossypii* Glover (Aphididae, Homoptera).

1975

Feeding stimulants from plants for larvae of the tobacco budworm and bollworm.

2216

STIMULI

On the ethometry of sign stimuli; the theory of the telotactic choice, and the power principle of the terminal cumulation in arthropods.

1990

STORAGE

Survival of soybean cyst nematodes in seed bags.

2243

Potato tuber eelworm.

2249

STORAGE DISEASES

Influence of moisture content, temperature, and time of storage upon invasion of rough rice by storage fungi.

2380

A new simple method for protecting rice against rice weevil (*Sitophilus oryzae*).

2384

STORAGE INJURIES

Campaign against stored grain pests in villages of IADP District Ludhiana.

2382

STORED PRODUCTS

The effect of molds on the enzymic activity, respiration and viability of stored grain.

2381

STREPSIPTERA

Strepsiptera from the Mississippi coast.

1888

STREPTOCOCCUS AGALACTIAE

Study on the incidence and etiology of mastitis in sows.

2302

STREPTOMYCES

The effects of plant amendments and their associated microflora on *Rhizoctonia solani* Kuhn.

2451

STREPTOMYCES GRISEUS

Saprophytic nematodes transmit *Streptomyces* phage.

2245

STREPTOMYCES SCABIES

Enzymic browning and free tyrosine in potatoes as affected by pentachloronitrobenzene.

2188

STREPTOMYCIN

Experiments for liquidating abortions in ewes on sheep farms with abortions.

2330

STRIDULATION

Structures of unknown, possibly stridulatory, function of the wings and body of Neuroptera; with an appendix on other endopterygote orders.

2034

STRIGA

Domestic quarantine notices. Witchweed. Regulated areas.

2259

STRONGYLOIDES

Dizan powder and tablets. Drugs for veterinary use; drug efficacy study implementation announcement.

2367

STRONTIUM ISOTOPES

The distribution of radioactive strontium, cesium and iodine in the bodies of some insects.

1937

STUNT

Greenhouse studies of host plant suitability to *Graminella nigrifrons*, a vector of corn stunt virus.

2206

SUBSTRATES

Plant treatment in relation to the rhizosphere effect. II. Foliar applications of certain chemicals and antibiotics in relation to the rhizosphere microflora of rice (*Oryza sativa* L.).

2458

SUCCINIC ACID, 2,2-DIMETHYLHYDRAZIDE

Succinic acid 2,2-dimethylhydrazide. Notice of extension of temporary tolerance.

2405

SUCROSE

Biochemistry of friend virus-infected cells. I. Virionspecific RNA.

2292

SUGAR BEETS

Diseases of sugarbeet in Arizona.

2112

Preference of green peach aphids for virus-infected sugarbeet leaves.

2224

Nebraska root-gall nematode of sugar beets.

2253

SUGARCANE

Free amino acid contents in corn infected with maize dwarf mosaic virus and sugarcane mosaic virus.

2137

Interaction of maize dwarf mosaic virus strains and sugarcane mosaic virus H in corn.

2190

Transmission of maize dwarf mosaic by the greenbug, *Schizaphis graminum*.

2214

SULFATES

Crop response to applied zinc in ammoniated phosphate fertilizers.

2455

SULFONAMIDES

Improved method for determination of sulfonamides in milk and tissues.

2425

SULFONE

Measurement of residues of phorate and its oxygen analog sulfone in plant tissues by total phosphorus determination.

2421

SULFUR

Chemical control of mango hoppers (*Idiocerus* spp.).

2211

SURVEYS

The distribution of ants in central southern England.

1867

As yet unknown Dolichopodidae (Dipt.) for the Bulgarian fauna.

1870

Strepsiptera from the Mississippi coast.

1888

A survey of the scutacarid (Acari: Tarsonemini) fauna of Australia.

1895

Glossina palpalis gambiensi Vanderplank 1949 (Diptera in the Niayes and

1899

Flight and ground collection records of *Costelytra zealandica* (White) at a site in Canterbury, New Zealand.

1996

On the soil fauna of meadow and alfalfa stocked fields of different locations with special consideration of the Oribatids.

2045

Studies of the ecology of the cabbage aphid (*Brevicoryne brassicae* (L.)) on brassica field crops in Canterbury, New Zealand. II. Population study, 1959-60.

2219

Aphid populations in relation to tristeza in Florida citrus.

2235

Serological survey on the Rickettsioses in dromedary in Chad.

2319

SUSCEPTIBILITY

Aliphatic amines against insecticide-susceptible and resistant strains of *Culex pipiens quinquefasciatus* and *Anopheles albimanus*.

1968

Susceptibility of three pine species to *Sclerotinia lagerbergii* in Upper Michigan.

2129

SWEETCLOVER

Effect of temperature, light, and date of collection on the feeding rate of the sweetclover weevil.

2209

SWINE

Leucosis in swine as a finding from carcass inspection.

2281

Leptospiral abortion pathogenesis in sows.

2295

Fatty tissue biopsy in pigs.

2299

Study on the incidence and etiology of mastitis in sows.

2302

Studies on the tumours of the domestic animals. I. Lymphatic leukaemia of the swine.

2308

Studies on the tumours of the domestic animals. II. Tumours of the swine.

2309

Pulmonary diseases of pig in Madagascar.

2335

Serological differentiation of mycoplasma in swine.

2338

Experience obtained from the use of formal-adsorbat vaccines against *Salmonella cholerae-suis* in pig stocks.

2339

Occurrence of a skin response to intracutaneous injection of adrenaline as a method to detect the effects of endotoxins in pig organism.

2349

Toxoplasma gondii in tissue culture and maintenance at low temperatures.

2363

Cadmium salts. Drugs for veterinary use - drug efficacy study implementation.

2368

Notice of filing of petition regarding pesticide chemicals.

2392

Notice of filing of petition regarding pesticide chemicals.

2393

- Improved method for determination of sulfonamides in milk and tissues. 2425
- SYMBIOSIS**
Host resistance responses- an induction hypothesis. 2139
- SYMPTOMATOLOGY**
Specificity of insect viruses. 1987
Stem pitting of Italian prune. 2124
Bacterial fruit rot of watermelon in Florida. 2130
Local reaction and cross protection for strains of squash mosaic virus. 2131
Alfalfa mosaic virus-induced lesions on bean: Effect of light and temperature. 2133
Free amino acid contents in corn infected with maize dwarf mosaic virus and sugarcane mosaic virus. 2137
Host resistance responses- an induction hypothesis. 2139
Fruit rot of papaya (*Carica papaya* L.) caused by *Macrophomina phaseoli* (Mauhl). Ashby. 2143
Fungal diseases of bananas in Hawaii. 2152
Stem pitting in *Prunus* spp. other than peach. 2154
Effects of temperature on expression and transmission of stubborn disease of citrus. 2161
Chemical and biological properties of phytotoxic glycopeptides isolated from *Corynebacterium michiganense*. 2167
Cucurbit virus studies in Hawaii. 2172
Some comparisons of chlorosis-inducing *Pseudomonas* toxins. 2177
Downy mildew of sorghum in Georgia. 2182
Citrus-root nematode in Iran. 2246
Equine protozoan diarrhea (equine intestinal Trichomoniasis) at Trinidad racetracks. 2278
Effects of whole-body irradiation on baby pigs (*Sus scrofa*). 2283
Eczema and liver disease in dogs (hepatodermal syndrome). 2287
Mycoplasma infection in a Wisconsin dairy herd. 2333
Hemangiosarcoma in a dog. 2342
Infectious peritonitis in cats. 2351
Effects of DDT on brain electrical activity in awake, unrestrained rats. 2352
Air pollution damage to chrysanthemum foliage. 2387
- SYNTHESIS**
A demonstration through symbiotic microorganisms of the effect of sterol synthesis in artificially fed aphids (*Homoptera*, *Rhynchocha*, *Insecta*). 1955
Influence of aging on the rate of incorporation of tritiated thymidine in the nurse cells of *Drosophila melanogaster*. 2068
Aspects of RNA and protein synthesis in imaginal discs of *Drosophila melanogaster*. 2078
- The coat protein gene of tobacco mosaic virus. I. Location of the gene by mixed infection. 2142
Kinetics of viral deoxyribonucleic acid, protein, and infectious particle production and alterations in host macromolecular syntheses in equine abortion (Herpes) virus-infected cells. 2327
- T, 2,4,5-**
Comparison of herbicides and times of spraying for the control of blackberry (*Rubus fruticosus*). 2258
- TABANIDAE**
Population dynamics of the common horseflies and deerflies (Tabanidae: Diptera) breeding on a New Jersey salt marsh. 2037
- TABANUS LINEOLA**
Population dynamics of the common horseflies and deerflies (Tabanidae: Diptera) breeding on a New Jersey salt marsh. 2037
- TABANUS NIGROVITTATUS**
Population dynamics of the common horseflies and deerflies (Tabanidae: Diptera) breeding on a New Jersey salt marsh. 2037
- TABLES (DATA)**
Separation of the free ninhydrin-positive fractions in *Phormia* and *Drosophila* using two-dimensional high voltage electrophoresis. 1940
The control of some species of pest insects by *Bacillus thuringiensis*. 1953
Control tests against *Dacus oleae* Gmel. in the coastal region of Tuscany during 1965. 1960
Specificity of insect viruses. 1987
Mass rearing technique of rice gall midge (*Pachypliposis oryzae* Wood-Mason) and notes on its biology. 2002
Transmission of a mosquito iridescent virus in *Aedes taeniorhynchus*. I. Laboratory experiments. 2003
Transmission of a mosquito iridescent virus in *Aedes taeniorhynchus*. II. Experiments related to transmission in nature. 2004
Laboratory evaluation of several new insecticides for control of the pale western cutworm. 2012
Records of predators and parasites naturally prevalent in the Gujarat state. 2024
Certain minor crop pests hitherto unrecorded from the Gujarat state. 2025
Developing alfalfa resistant to alfalfa weevil oviposition. 2101
Germination, growth, and respiration rates of birdsfoot trefoil at three temperatures during the early nonphotosynthetic stage of development. 2110
Salmonella species. First isolations, names and occurrence. QR82.S27K4. 2303
Kinetics of viral deoxyribonucleic acid, protein, and infectious particle production and alterations in host macromolecular syntheses in equine abortion (Herpes) virus-infected cells. 2327
- TAENIA**
AH-NBC capsules. Drugs for veterinary use; drug efficacy study implementation. 2365
- TAXONOMY**
Rainbow's end: The quest for an optimal taxonomy. 1885
- Rondonema thapari* n. sp. from the millipede (*Spirostreptus* sp.). 1958
On a known and some new species of insect nematodes. 1959
A new species of *Salmonella* of Nigerian origin, *Salmonella Biafra*. (3, 10:z10:26). 2439
- TEMPERATURE**
Temporal distribution of *Tribulium castaneum* Herbst and *Cadra cautella* Walker on temperature gradients. 1917
Adaptations to temperature in geographic races of the Queensland fruit fly *Dacus* (*Strumeta*) *tyroni*. 1926
Behavioral and physiological aspects of mating and oviposition by the adult western corn rootworm, *Diabrotica virgifera* LeConte. 1936
Hints on the permanent rearing of *Dacus oleae* Gmelin (Diptera, Tephritidae) in the laboratory. 1938
Biology and colonization of the winter tick in the laboratory. 1952
Principles of crowding effect in *Aphis gossypii* Glover (Aphididae, Homoptera). 1975
Dispersal and local distribution of laboratory-reared sterile screw-worm flies released in winter. 1980
The possibility of the occurrence of warm- and cold season relicts on the Zitzmannsdorf meadow at the Neusiedler lake. 1995
Flight and ground collection records of *Costelytra zealandica* (White) at a site in Canterbury, New Zealand. 1996
Environmental factors regulating the diurnal vertical migration of *Chaoborus* larvae. 2000
The effect of climatic integrants on population fluctuations of the Columbian timber beetle *Corythylus columbianus* Hopkins (Coleoptera; Scolytidae). 2015
Laboratory rearing of aphids. 2019
Histopathology of the developing reproductive system of *Aedes stimulans* (Walker) (Diptera: Culicidae) under thermal stress. 2026
Isolation of the population aggregating pheromone of the southern pine beetle. 2033
Population dynamics of the common horseflies and deerflies (Tabanidae: Diptera) breeding on a New Jersey salt marsh. 2037
Photoperiodic induction of vernal phenotype in *Pieris protodice* Boisduval and Le Conte (Lepidoptera: Pieridae). 2047
Hourly and seasonal collections of six harmful insects in traps equipped with blacklight lamps. 2056
Physiological bases for the luring and catching of insects. 2069
Seedlings vigor evaluation of four birdsfoot trefoil varieties grown under two temperature regimes. 2106
Germination, growth, and respiration rates of birdsfoot trefoil at three temperatures during the early nonphotosynthetic stage of development. 2110
Alfalfa mosaic virus-induced lesions on bean: Effect of light and temperature. 2133

TENEBRIO MOLITOR

- Effects of temperature on expression and transmission of stubborn disease of citrus. 2161
- On the incubation period of *Puccinia horiana*. 2197
- A mass screening procedure for isolating alfalfa seedlings with resistance to the alfalfa weevil. 2204
- Effect of temperature, light, and date of collection on the feeding rate of the sweetclover weevil. 2209
- Damage by the strawberry spider mite to cotton when infestations commenced at the beginning, middle, and end of the flowering period. 2228
- Species dominance in co-incident infections by *Meloidogyne hapla* and *M. javanica* on tomato. 2247
- Some observations on the biological cycle of *Tylenchulus semipenetrans* Cobb, 1913 (Nematoda, Tylenchulidae). 2250
- Nebraska root-gall nematode of sugar beets. 2253
- Toxoplasma gondii* in tissue culture and maintenance at low temperatures. 2363
- Comparative review of BHC dust and malathion emulsion as agents for disinfestation on the basis of past experience. 2379
- Influence of moisture content, temperature, and time of storage upon invasion of rough rice by storage fungi. 2380
- Epoxidation of aldrin by plant materials. 2457
- A portable instrumented tower for use in meteorologically related research. 2468

TENEBRIO MOLITOR

- On the ethometry of sign stimuli; the theory of the telotactic choice, and the power principle of the terminal cumulation in arthropods. 1990
- Effect of radiofrequency electric field treatment on protein metabolism in yellow mealworm larvae. 1993
- Teratology of the beetle *Tenebrio molitor*, III. Ultrastructural alterations in the flight musculature of the pupal-winged adult. 2090

TENEBRIONIDAE

- On the morphology and the hionomics of the insects of economic importance. II. Head appendages in *Alphitobius diaperinus* (Panz.) (Tenebrionidae, Coleoptera). 2043

TENTHREDINIDAE

- The Finnish *Empira*-species (Hymenoptera, Symphyta). 1891
- Evolutionary morphology of insect genitalia as exemplified by the sawfly *Euura* (Hymenoptera: Tenthredinidae). 2052

TEPA

- A comparison and evaluation of residual, oral and topical treatments of tepa, tris (1-aziridinyl) phosphine oxide, used to sterilize German cockroaches *Blattella germanica* (Linnaeus). 1965

TEPHRITIDAE

- Trapping for control of the Mexican fruit fly in mango and citrus groves. 1924
- Whole town treatment for fruit fly control. 2236

TERATOMA

- Crown gall tumors in various species and hybrids of *Kalanchoideae*. 2122

TERMITES

- The termites of Paris. 2383

TERMITIDAE

- Wing micro-sculpturing in termite genera *Odonotermes*, *Hypotermes* and *Microtermes* (Termitidae: Macrotermitinae) and its taxonomic value. 1906

TESTOSTERONE

- Testosterone propionate-estradiol benzoate (hormonal implant). Drugs for veterinary use; drug efficacy study implementation. 2306

TETRACYCLINE

- Stabilization of animal and poultry feeds containing a tetracycline antibiotic. Patent 3,427,166. 2264
- Control of rabies in wildlife in New York. 2329

TETRAMISOLE

- The effect of tetramisole on *Muellerius capillaris* in goats. 2374

TETRANYCHUS ATLANTICUS

- Damage by the strawberry spider mite to cotton when infestations commenced at the beginning, middle, and end of the flowering period. 2228

TETRANYCHUS URTICAE

- Inheritance and biochemistry of OP-RESISTANCE in a New York strain of the two-spotted spider mite. 2080

TETTIGONIIDAE

- The color change of *Poecilimon ornatus* Schmidt in the post-embryonic development. (Orthoptera-Tettigoniidae). 2017

THERAPEUTICS

- Composition containing penicillin and dye indicator for treating udders. Patent 3,427,377. 2265

THIAZOLYL)-BENZIMIDIZOLE, 2-(4-

- Effect of thiabendazole on *Pithomyces chartarum* (Berk. Curt.) M. B. Ellis. 2340

- Pseudohookworm infection - trichostrongylidiasis. Treatment with thiabendazole. (abstract). 2373

- Food additives permitted in feed and drinking water of animals or for the treatment of food-producing animals. Thiabendazole. 2409

THIELAVIOPSIS BASICOLA

- Survival of root-infecting fungi in soil. X. Sensitivity of propagules of *Thielaviopsis basicola* to soil fungistasis in natural and alfalfa-amended soil. 2444

THINNING (TREES)

- Annosus root-rot in slash pine plantations four years after thinning and stump treatments. 2138

THIOCARBAMATES

- Resistance mechanisms against onion pink root (*Pyrenochaeta terrestris*), bioassay of inoculum potential in soil and chemical control. 2174

THIOCYANATES

- Comparison of chloro and thiocyanato groups as fungal toxiphores in dinitrobenzenes. 2187

THIRAM

- Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Thiram. 2417

THYMIDINE

- Influence of aging on the rate of incorporation of tritiated thymidine in the nurse cells of *Drosophila melanogaster*. 2068

THYROID GLAND

- Lymphocytic thyroiditis in the dog. 2320

TIMBER

- Apion seed weevil introduced for biological control of Scotch broom. 2254

TIME

- Flashes of *Photuris* fireflies: Their value and use in recognizing species. 2005

- The use of imaginal disks for the determination of the developmental stage of larvae of *Chironomus* (Dipt.). 2071

- 1968 U.S. rice production statistics. 2099

- On the incubation period of *Puccinia horiana*. 2197

- End of squaring as an economic indicator of approximate time to end insecticidal treatments for holl weevil control. 2227

- Damage by the strawberry spider mite to cotton when infestations commenced at the beginning, middle, and end of the flowering period. 2228

- Influence of moisture content, temperature, and time of storage upon invasion of rough rice by storage fungi. 2380

TISSUE CULTURE

- Studies on the physiology of the fat body of *Pyrrhocoris apterus* L. 2008

- Fatty acids in *Hyalophora cecropia*: Biosynthesis and constitution during development. 2055

- The gross and microscopic changes in sublethal staphylococcal alpha-toxin pancreatitis in dogs. 2276

- Effects of whole-body irradiation on hahy pigs (*Sus scrofa*). 2283

- Attenuated infectious canine hepatitis live virus vaccine and method of producing same. Patent 3,432,391. 2298

- Kinetics of viral deoxyribonucleic acid, protein, and infectious particle production and alterations in host macromolecular syntheses in equine abortion (Herpes) virus-infected cells. 2327

- Toxoplasma gondii* in tissue culture and maintenance at low temperatures. 2363

- The effect of maleic hydrazide on the mitosis of phytohaemagglutinin stimulated human lymphocytes cultured in vitro. 2443

- Epoxidation of aldrin by plant materials. 2457

TISSUES

- The free amino acid pattern in tissues of silkworm during development. 2049

- Ear removal and cell death rate in corn stalk tissue. 2163

- Nature of the water-soluble metabolites of carbaryl in bean plants and their fate in rats. 2267

- Transmission of equine sarcoid. 2348

- Measurement of residues of phorate and its oxygen analog sulfone in plant tissues by total phosphorus determination. 2421

- Improved method for determination of sulfonamides in milk and tissues. 2425

TITYUS BAHYENSIS

- Release of an acetylcholine-like substance from guinea pig ileum by scorpion venom. 2429

TITYUS SERRULATUS

- Release of an acetylcholine-like substance from guinea pig ileum by scorpion venom. 2429

- Effect of the venom of the scorpion *Tityus serrulatus* on adrenal gland catecholamines. 2433
- TOBACCO**
- Measuring newly hatched phytophagous larvae in the field or greenhouse. 2058
- Effects of potassium, magnesium, and nitrogen deficiencies on the concentration of chlorogenic acid and scopolin in tobacco. 2116
- Effect of 2,4-dichlorophenoxyacetic acid on tobacco mosaic virus infection. 2127
- The coat protein gene of tobacco mosaic virus. I. Location of the gene by mixed infection. 2142
- Cell inclusions of Holmes' ribgrass virus, an analog of tobacco mosaic virus. 2153
- Effect of dimethyl sulfoxide on tobacco mosaic. 2165
- Distribution of cucurbit viruses in Kansas. 2171
- Electron microscopic observations on the causal agent of the Brazilian tomato ring spot disease. 2175
- Pyrimidine hydrates and dimers in ultraviolet-irradiated tobacco mosaic virus ribonucleic acid. 2178
- Morphology, pathogenicity, and cultural characteristics of single conidium isolates of *Alternaria longipes*. 2180
- Mutual antagonism between *Heterodera tabacum* and some other parasitic nematodes. 2248
- TOLERANCES**
- Aliphatic amines against insecticide-susceptible and resistant strains of *Culex pipiens quinquefasciatus* and *Anopheles albimanus*. 1968
- Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Miscellaneous amendments. 2389
- Notice of filing of petition regarding pesticide chemicals. 2390
- Succinic acid 2,2-dimethylhydrazide. Notice of extension of temporary tolerance. 2405
- Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Coordination product of zinc ion and maneb. 2406
- Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Endosulfan. 2408
- Notice of filing of petition regarding pesticide chemicals. 2410
- Notice of filing of petition regarding pesticide chemicals. 2412
- Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. O-ethyl S-phenyl ethylphosphonodithioate. 2416
- TOMATOES**
- Proof of the presence of the tomato bushy stunt virus in grape tendrils. 2120
- A laboratory assay for determining pathogenicity of *Phytophthora* spp. to tomato. 2169
- Electron microscopic observations on the causal agent of the Brazilian tomato ring spot disease. 2175
- Species dominance in co-incident infections by *Meloidogyne hapla* and *M. javanica* on tomato. 2247
- The effects of host nutrition and soil fumigation on the penetration and pathogenicity of *Meloidogyne javanica* (Treub, 1885) Chitwood, 1949 on tomato. 2252
- Removal of DDT, malathion, and carbaryl from tomatoes by commercial and home preparative methods. 2398
- TORTRICIDAE**
- Biological notes on *Spilonota ocellana* Denis and Schiffermüller (Lepidoptera Tortricidae) in the foothill region of Friuli and preliminary indications on the factors adverse to its development. 1970
- An oak leaf tier, *Croesia semipurpurana* (Kft.) (Lepidoptera: Tortricidae) in the region of Quebec. 2212
- TOXASCARIS LEONINA**
- Immunological studies on experimental ascariasis. 2378
- TOXICITY**
- The residual contact toxicity to honey bees of insecticides sprayed on to white clover (*Trifolium repens* L.) in the laboratory. 1942
- Fumigation of food grains in India with hydrogen phosphide. I. Tests in concrete bins. 2230
- Effect on honey bees of dichlorvos and bromophos applied as sprays to white clover (*Trifolium repens* L.). 2440
- TOXICOLOGY**
- Effects of simulated rain and dew on the toxicity of certain ultra-low-volume insecticidal spray formulations. 2020
- Effect of droplet size on persistence of ULV malathion and comparison of toxicity of ULV and EC malathion to tobacco budworm larvae. 2031
- Biochemical aspects of triazine based herbicides. 2255
- Aflatoxin metabolism by liver microsomal preparations of two different species. 2332
- Degradation of DDT in Atlantic salmon (*Salmo salar*). 2400
- Residues of organochlorine insecticides in dead birds in the United Kingdom. 2422
- Effect of DDT or parathion on condition avoidance response of offspring from DDT or parathion treated mothers. (abstract). 2427
- The early effects of low DDT doses on the nervous system in animal experiments. 2428
- The effect of DDT in the diet on the resting and loading electrocorticogram record. 2430
- Toxicity of fentin hydroxide to rats. 2431
- Cholinesterase inhibition in the acute toxicity of alkylsubstituted 2-aminoethanols. 2432
- Incomplete sodium inactivation in nodes of Ranvier treated with scorpion venom. 2436
- Research and testing of preparations on rodents in the habitat of man. 2442
- TOXINS**
- Aliphatic amines against insecticide-susceptible and resistant strains of *Culex pipiens quinquefasciatus* and *Anopheles albimanus*. 1968
- On the fine structure of insect cuticle. A contribution to the question of the characteristic protection against toxins of the Hemiptera cuticle. 1972
- Some comparisons of chlorosis-inducing *Pseudomonas* toxins. 2177
- The gross and microscopic changes in sublethal staphylococcal alpha-toxin pancreatitis in dogs. 2276
- Occurrence of a skin response to intracutaneous injection of adrenaline as a method to detect the effects of endotoxins in pig organism. 2349
- TOXOCARA CANIS**
- Immunological studies on experimental ascariasis. 2378
- TOXOPLASMA GONDII**
- Toxoplasma gondii* in tissue culture and maintenance at low temperatures. 2363
- TOXOPLASMOSIS**
- Researches concerning the toxoplasmosis identification and the toxoplasmic abortion in the ovic cattle of Banat. 2294
- TRACHOMA**
- Cytology of pink-eye of sheep, including a reference to trachoma of man, by employing acridine orange and iodine stains, and isolation of *Mycoplasma* agents from infected sheep eyes. 2344
- TRANSPLANTING**
- Transmission of equine sarcoid. 2348
- TRAPS**
- Control of rabies in wildlife in New York. 2329
- TREE DISEASES**
- Comandra rust damage to ponderosa pine in Oregon and Washington. 2104
- TREE INJURIES**
- Annotated list of insects infesting bark and wood of Fraser fir. 2200
- Sofar unnoticed damage to fruit trees, brought about by field mice. 2263
- TREES**
- A comparative study on urea sprays upon some deciduous fruit trees. 2100
- Reduction in mortality of peach trees following preplant soil fumigation. 2103
- Sofar unnoticed damage to fruit trees, brought about by field mice. 2263
- TRIAZINE HERBICIDES**
- Biochemical aspects of triazine based herbicides. 2255
- TRIBOLIUM CASTANEUM**
- Temporal distribution of *Tribolium castaneum* Herbst and *Cadra cautella* Walker on temperature gradients. 1917
- The life history of *Tribolium castaneum* (Herbst) (Coleoptera, Tenebrionidae). 1994
- Fumigation of food grains in India with hydrogen phosphide. I. Tests in concrete bins. 2230
- TRIBUTYL TIN OXIDE**
- Annosus root-rot in slash pine plantations four years after thinning and stump treatments. 2138
- TRICHLOROBENZYL CHLORIDE**
- Notice of filing of petition regarding pesticide chemicals. 2395
- TRICHODORUS CHRISTIEI**
- Systemic pesticides for control of sting and stubby-root nematodes on vegetables. 2239
- TRICHOGRAMMA**
- Chambers for incubating individual insect eggs and egg parasites. 2054

SUBJECT INDEX

TRICHOGRAMMATIDAE

TRICHOGRAMMATIDAE

Biological notes on *Spilonota ocellana* Denis and Schiffermuller (Lepidoptera: Tortricidae) in the foothill region of Friuli and preliminary indications on the factors adverse to its development. 1970

TRICHOMONAS FAECALIS

Equine protozoan diarrhea (equine intestinal Trichomoniasis) at Trinidad racetracks. 2278

TRICHOPLUSIA NI

Field and laboratory studies of attraction of the synthetic sex pheromone to male cabbage looper moths. 1986

On the food utilization and digestion of major food nutrients in the lepidopterous larvae feeding on cauliflower. 2009

TRICHOSTRONGYLOSIS

Pseudohookworm infection - trichostrongylidiasis. Treatment with thiabendazole. (abstract). 2373

TRICHURIS

Hygromix (hygromycin B). Drugs for veterinary use; drug efficacy study implementation. 2364

Dizan powder and tablets. Drugs for veterinary use; drug efficacy study implementation announcement. 2367

TRIFLURALIN

Notice of filing of petition regarding pesticide chemicals. 2391

Effect of trifluralin on growth of *Sclerotium rolfsii* in liquid culture and soil. 2459

TRIMEROTROPIS HELFERI

Pericentric inversion polymorphism in *Trimerotropis helferi* (Orthoptera: Acrididae) and its effect on chiasma frequency. 2088

TRIPHENYL TIN HYDROXIDE

Chemical control of scab on citrus in Florida. 2136

Toxicity of fentin hydroxide to rats. 2431

TRISTEZA

Aphid populations in relation to tristeza in Florida citrus. 2235

TRITICUM AESTIVUM

Leaf pubescence in common wheat, *Triticum aestivum* L., and resistance to the cereal leaf beetle, *Oulema melanopus* (L.). 2111

TROMBICULIDAE

New larvae of Trombiculidae (Acaridae), parasites on the mammals of Rumania. 1878

TRYPANOSOMIASIS

Observations on the use of Antrycide Prosalt and the resistance of cattle to Trypanosomiasis. 2285

TUBERCULOSIS

Studies on bovine tuberculosis. Effects of repeated tuberculations in infected cattle. 2326

TURKEYS

Effects of estrogens on aortic connective tissue of turkeys. 2269

TYLENCHORHYNCHUS CLAYTONI

Mutual antagonism between *Heterodera tabacum* and some other parasitic nematodes. 2248

TYLENCHORHYNCHUS DUBIUS

Host suitability of a number of plants for the nematode *Tylenchorynchus dubius*. 2251

TYLENCHULUS SEMIPENETRANS

Citrus-root nematode in Iran. 2246

Some observations on the biological cycle of *Tylenchulus semipenetrans* Cobb, 1913 (Nematoda, Tylenchulidae). 2250

TYLOSIN

Food additives permitted in food for human consumption. Tylosin. 2407

TYPHLOCYBIDAE

Leaf changes brought about by *Empoasca flavescens* F. (Hom. Typhlocyidae) on apple trees. 2203

TYROSINE

Enzymic browning and free tyrosine in potatoes as affected by pentachloronitrobenzene. 2188

UBIQUINONES

Coenzyme Q10 in *Brucella abortus* Bang. 2345

UDDERS

Composition containing penicillin and dye indicator for treating udders. Patent 3,427,377. 2265

Study on the incidence and etiology of mastitis in sows. 2302

ULMUS ALATA

Dutch elm disease detected in Mississippi. 2195

ULMUS AMERICANA

Dutch elm disease found in Idaho. 2164

Dutch elm disease detected in Mississippi. 2195

ULTRASTRUCTURE

The anal glands of *Gryllotalpa gryllotalpa* L. ultrastructure and histochemistry. 1948

Histochemistry and ultrastructure of the feminine genital ducts of *Gryllotalpa gryllotalpa* L. 2016

ULTRAVIOLET RAYS

The relative abundance of species in a wild population of Macro-Lepidoptera. 1985

Pyrimidine hydrates and dimers in ultraviolet-irradiated tobacco mosaic virus ribonucleic acid. 2178

Thin-layer chromatography of bromacil residues in soils. 2401

UPLAND COTTON

A boll weevil oviposition suppression factor in cotton. 2208

UREA

A comparative study on urea sprays upon some deciduous fruit trees. 2100

Annosus root-rot in slash pine plantations four years after thinning and stump treatments. 2138

Effect of 2,4-D and urea sprays on yield and fruit quality of Balady oranges. 2462

URINE

Metabolic studies with O,O-diethyl O-(3,5,6-trichloro-2-pyridyl) phosphorothioate (durshan) insecticide in a lactating cow. 2296

Loss of serum proteins via the intestinal tract in calves with infectious diarrhea. 2317

An experimental study of the allergen-specific enzymatic factor. II. Isolation trials of the allergen-specific enzymatic factor from the urine of rabbits. 2322

Oxidative metabolism of phosphamidon in rats and a goat. 2388

USTILAGO NUDA

Virulence of various groups of loose smut of barley (*Ustilago nuda* (Jens.) Rostri) physiological races in the light of anatomical investigations of barley varieties different with regard to resistance. 2. The effect of infection upon anatomical features of plants. 2145

VACCINES

Contagious bovine pleuropneumonia, its treatment and control. 2286

Experience obtained from the use of formal-adsorbat vaccines against *Salmonella cholerae-suis* in pig stocks. 2339

VACUUM

A vacuum probe for manipulating insects. 1859

VACUUM CLEANERS

Vacuum cleaner for use with granular applicators in fieldplot work. 1858

VALANGA IRREGULARIS

A gynandromorphic grasshopper produced by double fertilization. 2094

VANCOMYCIN

An incidence of the effect of glycine on the virulence of a strain of *Agrobacterium tumefaciens* (Smith and Town) Conn. 2149

VARIANCE ANALYSIS

Environmental factors regulating the diurnal vertical migration of *Chaohorus* larvae. 2000

VEGETABLES

Systemic pesticides for control of sting and stubby-root nematodes on vegetables. 2239

Notice of filing of petition regarding pesticide chemicals. 2411

Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Diphenamid. 2415

Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. O-ethyl S-phenyl ethylphosphonodithioate. 2416

VENOMS

A morphological and functional study of the venom apparatus in representatives of some major groups of Hymenoptera. 2036

Release of an acetylcholine-like substance from guinea pig ileum by scorpion venom. 2429

Effect of the venom of the scorpion *Tityus serrulatus* on adrenal gland catecholamines. 2433

Incomplete sodium inactivation in nodes of Ranvier treated with scorpion venom. 2436

Pharmacological and enzymic constituents of the venom of an Australian bulldog ant *Myrmecia pyriformis*. 2438

VENTURIA INAEQUALIS

Comparison of chloro and thiocyanato groups as fungal xiphophores in dinitrobenzenes. 2187

VERMICULITE

An approach to the study of the population dynamics of *Aphanomyces euteiches* in soil. 2155

VERTICILLIUM ALBO-ATRUM

Ontogeny of vessels influence the development of *Verticillium* in young cotton plants. 2166

VETERINARY MEDICINE

The trained falcon in health and disease. 2266

SUBJECT INDEX

VIRUS DISEASES (PLANTS)

P.L.A. (pituitary luteinizing hormone). Drugs for veterinary use - drug efficacy study implementation. 2271

Vetstat. Drugs for veterinary use - drug efficacy study implementation. 2272

Parterol. Drugs for veterinary use; drug efficacy study implementation. 2304

Progesterone-estradiol benzoate (hormonal implant). Drugs for veterinary use; drug efficacy study implementation. 2305

Testosterone propionate-estradiol benzoate (hormonal implant). Drugs for veterinary use; drug efficacy study implementation. 2306

F.S.H.-P. (follicle stimulating hormone-pituitary). Drugs for veterinary use - drug efficacy study implementation announcement. 2313

Dr. Mayfield ML-23. Drugs for veterinary use - drug efficacy study implementation. 2314

Tympanol. Drugs for veterinary use; drug efficacy study implementation. 2315

Insecticidal drug containing lindane. Drugs for veterinary use; drug efficacy study implementation announcement. 2355

Hygromix (hygromycin B). Drugs for veterinary use; drug efficacy study implementation. 2364

AH-NBC capsules. Drugs for veterinary use; drug efficacy study implementation. 2365

Dr. Mayfield large roundworm tablets. Drugs for veterinary use; drug efficacy study implementation. 2366

Dizan powder and tablets. Drugs for veterinary use; drug efficacy study implementation announcement. 2367

Cadmium salts. Drugs for veterinary use - drug efficacy study implementation. 2368

Caparsolate sodium. Drugs for veterinary use - drug efficacy study implementation. 2369

D.N.P. disophenol. Drugs for veterinary use - drug efficacy study implementation. 2370

Vermiplex capsules. Drugs for veterinary use - drug efficacy study implementation. 2371

Vermex poultry tablets and vermex powder. Drugs for veterinary use - drug efficacy study implementation. 2372

VIABILITY

Viability, proportion between the sexes and of the X chromosomes of *Drosophila melanogaster*. 2074

VIBRIO FETUS

Immunity in ewes resulting from natural exposure to *Vibrio fetus*. 2321

VIBRIOSIS

Immunity in ewes resulting from natural exposure to *Vibrio fetus*. 2321

VIRAL VACCINES

Attenuated infectious canine hepatitis live virus vaccine and method of producing same. Patent 3,432,391. 2298

VIROLOGY

Free amino acid contents in corn infected with maize dwarf mosaic virus and sugarcane mosaic virus. 2137

Effect of dimethyl sulfoxide on tobacco mosaic. 2165

Properties of a virus causing pokeweed mosaic. 2173

Electron microscopic observations on the causal agent of the Brazilian tomato ring spot disease. 2175

Purification and properties of broad bean wilt virus. 2189

Interaction of maize dwarf mosaic virus strains and sugarcane mosaic virus H in corn. 2190

Kinetics of viral deoxyribonucleic acid, protein, and infectious particle production and alterations in host macromolecular syntheses in equine abortion (Herpes) virus-infected cells. 2327

A modified mixed hemadsorption test and its application in the study of the avian leukosis-sarcoma viruses. 2337

VIRUCIDES

Biochemistry of friend virus-infected cells. I. Virionspecific RNA. 2292

VIRULENCE

An incidence of the effect of glycine on the virulence of a strain of *Agrobacterium tumefaciens* (Smith and Town) Conn. 2149

VIRUS DISEASES (ANIMALS)

Materials on the epidemiology of tick-borne encephalitis in the zone of construction of Sayano-Shushenskaya hydropower station. 2289

Biochemistry of friend virus-infected cells. I. Virionspecific RNA. 2292

Cytochemical studies on the lesion of equine infectious anemia. VII. Especially on the enzyme histochemistry of RES (Reticulo-Endothelial System) in the liver and spleen. 2300

The pathogenesis of ovine Contagious Ecthyma. 2307

Kinetics of viral deoxyribonucleic acid, protein, and infectious particle production and alterations in host macromolecular syntheses in equine abortion (Herpes) virus-infected cells. 2327

Research on the relationship between the tumor causing virus of the quail and the rous sarcoma virus. 2334

Pathologic responses of the mature and developing nervous system to bluetongue virus. 2336

A modified mixed hemadsorption test and its application in the study of the avian leukosis-sarcoma viruses. 2337

The pathogenesis of experimental distemper in mice. 2350

VIRUS DISEASES (INSECTS)

Report of third work conference on the use of nucleopolyhedrosis virus for control of *Heliothis* species. 1934

A field test comparing resistant varieties plus applications of polyhedral virus with insecticides for control of *Heliothis* spp. and other pests of cotton, 1967. 1962

Specificity of insect viruses. 1987

Transmission of a mosquito iridescent virus in *Aedes taeniorhynchus*. I. Laboratory experiments. 2003

Transmission of a mosquito iridescent virus in *Aedes taeniorhynchus*. II. Experiments related to transmission in nature. 2004

VIRUS DISEASES (PLANTS)

Laboratory rearing of aphids. 2019

Diseases of sugarbeet in Arizona. 2112

Line pattern disease of raspberry. 2118

Proof of the presence of the tomato bushy stunt virus in grape tendrils. 2120

Stem pitting of Italian prune. 2124

Effect of 2,4-dichlorophenoxyacetic acid on tobacco mosaic virus infection. 2127

Local reaction and cross protection for strains of squash mosaic virus. 2131

Alfalfa mosaic virus-induced lesions on bean: Effect of light and temperature. 2133

Free amino acid contents in corn infected with maize dwarf mosaic virus and sugarcane mosaic virus. 2137

Grain yield of corn reduced by maize dwarf mosaic virus infection. 2141

The coat protein gene of tobacco mosaic virus. I. Location of the gene by mixed infection. 2142

Plot techniques with maize dwarf mosaic virus: II. Greenhouse studies. 2150

Cell inclusions of Holmes' ribgrass virus, an analog of tobacco mosaic virus. 2153

Stem pitting in *Prunus* spp. other than peach. 2154

Epidemiology of cucumber mosaic and other virus diseases of lettuce in Arizona. 2159

Effects of temperature on expression and transmission of stubborn disease of citrus. 2161

Effect of dimethyl sulfoxide on tobacco mosaic. 2165

Investigations concerning ringspot virus disease of the cherry. III. Serological investigations. 2168

Distribution of cucurbit viruses in Kansas. 2171

Cucurbit virus studies in Hawaii. 2172

Properties of a virus causing pokeweed mosaic. 2173

Electron microscopic observations on the causal agent of the Brazilian tomato ring spot disease. 2175

Pyrimidine hydrates and dimers in ultraviolet-irradiated tobacco mosaic virus ribonucleic acid. 2178

The effect of aphid numbers and stage of plant growth in determining tolerance to barley yellow dwarf virus in cereals. 2179

Purification and properties of broad bean wilt virus. 2189

Interaction of maize dwarf mosaic virus strains and sugarcane mosaic virus H in corn. 2190

Plot techniques with maize dwarf mosaic virus: I. Field studies, 1966. 2192

Influence of the proliferation virus upon the quality and quantity of apple fruits. 2199

Greenhouse studies of host plant suitability to *Graminella nigrifrons*, a vector of corn stunt virus. 2206

Transmission of maize dwarf mosaic by the greenbug, *Schizaphis graminum*. 2214

SUBJECT INDEX

- VISION**
Preference of green peach aphids for virus-infected sugarbeet leaves. 2224
Aphid populations in relation to tristeza in Florida citrus. 2235
- VISION**
On the mechanism involved in perception of light stimuli during the photoperiodic reaction in *Lepidoptera* caterpillars. (TT 61-23975). 1967
On the ethometry of sign stimuli; the theory of the telotactic choice, and the power principle of the terminal cumulation in arthropods. 1990
A comparative study of communication in grasshoppers. 2023
Neural adaptations in the visual pathway of certain heliconine butterflies, and related forms, to variations in wing coloration. 2060
- VITAMIN D**
The influence of varying dietary levels of magnesium, calcium and vitamin D on magnesium metabolism. 2341
- WATER**
Determination of the water content of nematode worms by interference microscopy. 2242
Food additives permitted in the feed and drinking water of animals or for the treatment of food-producing animals. Zoalene, 3-nitro-4-hydroxyphenylarsonic acid. 2268
Effects of lindane and carbaryl on insects, soil and plant nitrogen, and grain yield of rice. 2445
- WATER ANALYSIS**
Signs of water pollution in the Riviere des Prairies. 2385
- WATER POLLUTION**
Signs of water pollution in the Riviere des Prairies. 2385
- WATERMELONS**
Bacterial fruit rot of watermelon in Florida. 2130
Distribution of cucurbit viruses in Kansas. 2171
- WAXES**
The presence waxes in two kinds of lac cells. 2006
- WEATHER**
Flight and ground collection records of *Costelytra zealandica* (White) at a site in Canterbury, New Zealand. 1996
Hourly and seasonal collections of six harmful insects in traps equipped with blacklight lamps. 2056
The ecology of *Sminthurus viridis* (L.) (Collembola). I. Processes influencing numbers in pastures in Western Australia. 2067
Consideration of the problems raised by the recent cecidomyiid attack on corn flowers. 2213
- WEED CONTROL**
Apion seed weevil introduced for biological control of Scotch broom. 2254
Progress report on Johnsongrass control in orchards. 2256
Comparison of herbicides and times of spraying for the control of blackberry (*Rubus fruticosus*). 2258
Domestic quarantine notices. Witchweed. Regulated areas. 2259
- Selective herbicides control weeds in lucerne at Cowra. 2262
- WEEDS**
Potato tuber eelworm. 2249
Arceuthobium pusillum on eastern larch in Wisconsin. 2257
- WHEAT**
Morphology of the head capsule of *Aelia rostrata* Boh. (Hemiptera: Pentatomidae). 2051
Genetic and cytogenetic studies of stem rust, leaf rust, and powdery mildew resistances in Hope and related wheat cultivars. 2151
32P and 35S transfer from susceptible wheat to *Erysiphe graminis* f. sp. *tritici* during primary infection. 2156
Differences in reaction to *Puccinia striiformis* between first and second leaves in wheat crosses. 2185
Fumigation of food grains in India with hydrogen phosphide. I. Tests in concrete bins. 2230
Control of weeds in wheat crop by 2,4-D. 2260
- WHITE CLOVER**
The residual contact toxicity to honey bees of insecticides sprayed on to white clover (*Trifolium repens* L.) in the laboratory. 1942
Effect on honey bees of dichlorvos and bromophos applied as sprays to white clover (*Trifolium repens* L.). 2440
- WILDLIFE DISEASES**
History and epidemiology of rabies in wildlife in New York. 2293
Control of rabies in wildlife in New York. 2329
- WILT**
Ontogeny of vessels influence the development of *Verticillium* in young cotton plants. 2166
Purification and properties of broad bean wilt virus. 2189
- WIND**
Wind dispersal of *Puccinia horiana*. 2196
- WINGS (INSECTS)**
Wing micro-sculpturing in termite genera *Odonotermes*, *Hypoterme*s and *Microtermes* (Termitidae: Macrotermitinae) and its taxonomic value. 1906
Structures of unknown, possibly stridulatory, function of the wings and body of *Neuroptera*; with an appendix on other endopterygote orders. 2034
Neural adaptations in the visual pathway of certain heliconine butterflies, and related forms, to variations in wing coloration. 2060
- WOOD**
Annotated list of insects infesting bark and wood of Fraser fir. 2200
- WOOD DESTROYING FUNGI**
Comandra rust damage to ponderosa pine in Oregon and Washington. 2104
On the sensitiveness of several wood-decaying fungi to gaseous sterilization with propylene oxide. 2449
- X-RAYS**
Selection methods for pathogenic forms of microorganisms. 1956
- Failure of oral *Escherichia coli* endotoxin to induce either specific tolerance or toxic symptoms in rats. 2280
Effects of whole-body irradiation on baby pigs (*Sus scrofa*). 2283
- XANTHINE DEHYDROGENASE**
Studies on the genetic and environment regulation of xanthine dehydrogenase and its genetically related enzymes in *Drosophila melanogaster*. 2075
- XANTHOMONAS**
Bacteriophage reactions and pathogenic spectra of *Xanthomonas* species to cotton. 2135
- XANTHOMONAS ORYZAE**
Epidemiology and prevention of bacterial blight disease of rice in India. 2183
- XIPHINEMA**
Reduction in mortality of peach trees following preplant soil fumigation. 2103
- XIPHINEMA AMERICANUM**
Systemic pesticides for control of sting and stubby-root nematodes on vegetables. 2239
- XYLEM**
Ontogeny of vessels influence the development of *Verticillium* in young cotton plants. 2166
- YELLOW DWARF**
The effect of aphid numbers and stage of plant growth in determining tolerance to barley yellow dwarf virus in cereals. 2179
- YELLOW FEVER**
Gross variations in the response to man among yellow-fever mosquito populations in the laboratory. 2098
- YELLOW S**
Preference of green peach aphids for virus-infected sugarbeet leaves. 2224
- YOLK SAC**
Cellular and extracellular activities implementing selective assimilation of yolk proteins by *Cecropia* oocytes. 1919
Demonstration of the synthesis of a yolk protein under the influence of the corpora allata in *Leucophaea maderae*. 2046
- ZANCLOGNATHA TENUIALIS**
Some interesting Noctuidae finds from the Tesin. 1908
- ZEBU CATTLE**
Liver-fluke in Madagascar. Biological cycle of *Fasciola gigantica*. 2361
- ZECTRAN**
The effects of IPC, CIPC, Sevin and Zectran on *Bacillus subtilis*. 2132
- ZINC**
Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Coordination product of zinc ion and maneb. 2406
Crop response to applied zinc in ammoniated phosphate fertilizers. 2455
- ZOOGEOGRAPHY**
Orthopterological notes. XXII. The genus *Myrmecophilus* Berth. in Italy. 1866
Contribution to the fauna of Congo (Brazzaville). Mission of A. Villiers and A. Descarpentries. I. II. *Lepidoptera* Pieridae. 1869

Contribution to the fauna of Congo (Brazzaville). Mission of A. Villiers and A. Descarpentries. L. Orthoptera Gryllodea. **1874**

Contribution to the fauna of Congo (Brazzaville). Mission of A. Villiers and A. Descarpentries. LIII. Homoptera Cicadidae. **1876**

The aphid fauna of Spitsbergen. **1880**

Euderomphalus clavicornis Thoms. (Hymenoptera, Chalcididae) found in Finland. **1883**

Some remarks concerning sphinx moths catches on the island of Sumatra. Supplementary information concerning the knowledge of sphinx moths (II) (Lep. Sphingidae). **1887**

On some species of the genus Arctosa C. L. Koch and Tricca Simon (Araneae-Lycosidae). **1892**

Glossina palpalis gambiensis Vanderplank 1949 (Diptera in the Niayes and **1899**

On some Steninae from the Helsinki Zoological Museum (Coleoptera, Staphylinidae). (43. Contribution to the knowledge of the Steninae). **1904**

A review of the praying mantises of Ghana. (Diptera Mantodea). **1904**

Some interesting Noctuidae finds from the Tessa. **1905**

On the distribution of Coleoptera in the Tvarminne archipelago. **1908**

Revision of African Reduviidae. II. Harpactorinae. Genus Nagusta Stal. **1912**

A bibliography of the alfalfa weevil, Hypera postica (Gyllenhal) Supplement I. **1914**

Biological notes on Spilonota ocellana Denis and Schiffermüller (Lepidoptera Tortricidae) in the foothill region of Friuli and preliminary indications on the factors adverse to its development. **1944**

Dispersal and local distribution of laboratory-reared sterile screw-worm flies released in winter. **1970**

The possibility of the occurrence of warm- and cold season relicts on the Zitzmannsdorf meadow at the Neusiedler lake. **1980**

Supplementary information on Korean Psyllidae. (Homoptera Psyllodea). **1995**

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The color change of Poecilimon ornatus Schmidt in the post-embryonic development. (Orthoptera-Tettigoniidae). **2017**

Sampling to detect economic infestations of Limonius spp. **2022**

Record of Acantholyda circumcincta (Hymenoptera: Pamphiliidae) in Florida. **2210**

Consideration of the problems raised by the recent cecidomyiid attack on corn flowers. **2213**

Rhyacia augur F. and other climbing cutworms (Lepidoptera). **2215**

Aphids and leafhoppers found on red clover in eastern Washington. **2221**

Distribution of hibernating larvae of the western budworm, Choristoneura occidentalis, on Douglas-fir in Colorado. **2226**

Salmonella species. First isolations, names and occurrence. QR82.S27K4. **2303**

ZOONOSES

Researches concerning the toxoplasmosis identification and the toxoplasmic abortion in the ovic cattle of Banat. **2294**

BIOGRAPHICAL INDEX

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Ain Shams Univ., Cairo, Egypt; Faculty of Agriculture
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2353
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38776
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2278
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2120
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2279
- Berezi, I**
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2280
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2121
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2122
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2123
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2379
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2282
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2360
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2209
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2124
- Case, M T**
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2283
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EURATOM Servizio: Biologia-Settore: Entomologia
1938
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2103
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2104
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2128
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2380
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2106
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2129
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Department of Agriculture Southwestern Great Plains; Research Center, Bushland, Tex.; Texas Agricultural Experiment Station
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Animal Husbandry and Veterinary Dept., Assam, Gauhati.; India
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1859
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Bionetics Research Labs., Inc., Falls Church, Va.
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2131
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2240
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2428
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1950
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1877
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1951
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2446
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2267
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1955
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2287
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1958
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BIOGRAPHICAL INDEX

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1993
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1994
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1995
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2269
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2307
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Agricultural Research Service, Tucson, Ariz.; Entomology Research Div.
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Ministry of Agriculture, Bangkok, Thailand, Rice Protection Research Center
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2005
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BIOGRAPHICAL INDEX

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2015
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2018
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2358
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2160
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stall Lab. 2422

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ler Inst. 2339

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BIOGRAPHICAL INDEX

Wattiaux, J M

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2173
- Siemer, S R**
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2174
- Silberschmidt, K**
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2175
- Silverberg, H**
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1912
- Simanton, W A**
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2235
- Simons, M D**
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2176
- Sinclair, D P**
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2340
- Sinden, S L**
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2177
- Singer, S**
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2050
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2051
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2341
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2236
- Slaughter, L J**
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2342
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2178
- Smith, E L**
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2052
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2179
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2180
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2424
- Sonoda, R M**
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2181
- Sowell, G**
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2182
- Sprenkel, R K**
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2053
- Srivastava, D D**
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2260
- Srivastava, D N**
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2183
- Stadelbacher, E A**
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2054
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2113
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2090
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2055
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2056
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2057
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2184
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2185
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2186
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2187
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2344
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2059
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2188
- Swihart, S L**
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2060
- Taha, A H Y**
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2261
- Taylor, R H**
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2189
- Theron, J G**
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2061
- Thiele, O W**
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2345
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2346
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2262
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BIOGRAPHICAL INDEX

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AUTHOR INDEX

Abbey, A	2264	Bobb, M L	1932	Crall, J M	2130	Fisher, F E	2136
Abdeial, A F	2100	Bodenstein, D	1933	Cross, W H	1945	Flattum, R F	1963
Abdullah, M	1862	Bonnet, A	2291	1978, 2217		Fleischmann, G	2108
Abo-Elghar, M	2447	Bopp, M	2122	Crovetti, A	1946	Fliedel, P	2244
Adams, A L	1980	Boreckl, Z	2123	Crozler, R G	2064	Flores d'Arcais, G	1964
Adams, P B	2444	Bornancin, M	2291	Cruz, M I	2466	Fogle, H W	2154
Adler, V E	1857	Borredon, C	2318	Crystal, M M	1947	Fontanges, R	2291
Adrisson, P L	2020	Bosch, R van den	1974	Curl, E A	2459	Ford, R E	2137
Abmad, I	1863	Bose, A K	2379	Dahl, R	1875	2190	
Akrabawi, S S	2273	Bourdin, P	2282	Dallal, R	1948	Fortenbaugh, R B	2264
Al-Hachim, G M	2427	Boyd, F J	2206	2016		Franchi, P	2363
Allow, J M	2246	Bramball, E L	2358	Danieli, G A	1949	Francis, J	2353
Amman, G D	2200	Bray, D F	2453	Daniels, N E	2214	Franco, D A	2278
Ammer, U	2449	Brennan, E	2387	Das, C	2286	Frank, F W	2321
Amor, R L	2258	Breuning, S	1872	Datta, S K de	2445	Franker, C K	2292
Amos, T G	1917	Brodie, B B	2239	Daum, R J	1859	Frankham, R	2076
Anczykowski, F	2274	Brothers, L	2078	Davich, T B	1978	2077	
2275		Brown, A W A	2080	Dawson, L H	1974	Frederiksen, R A	2162
Anderson, D T	1918	Browning, R M	2114	Daynes, P	2361	Freeman, G H	2109
Anderson, L M	1919	Buchanan, R S	2207	De Feytaud, M	2383	Friend, M	2293
Anderson, N V M	2276	Buford, W T	2208	Debolt, J W	1986	Frishman, A M	1965
Anderson, R J	2201	Bullock, H R	1934	DeGiovanni-Donnelly,	2132	Fristrom, J W L	2078
Andres, L A	2254	1962		Demski, J W	2131	Fubremann, T W	2419
Anonymous,	2115	Burden, G S	1935	Denarie, J	2240	Fulton, J P	2173
2202, 2277		Bushice, T H	2101	Desi, I	2428	Funderburk, H H	2459
Arldige, E Z	2404	Buschmann, L L	2256	2430		Fye, R E	2001
Armhrust, E J	1920	Buske, M	2360	Desjardins, P R	2133	Gaines, T B	2431
Armstrong, G M	2116	Butt, B A	2013	Dietz, A	1950	Gara, R I	1943
Arneson, B E	1861	2014		Diniz, C R	2429	1966	
Arnold, J M	2141	Buttiker, W	1873	2433		Garcia-Bellido, A	2079
Asada, M	2237	Calkins, C O	2209	Dlabola, J	1876	Garner, F M	2376
Asbley, R A	2386	Calman, J R	1968	Docavo Alberti, I	1877	Gazzinelli, G	2433
Ashton, G C	2353	Cameron, H R	2124	Dogra, G S	1951	Geispits, K F	1967
Askew, R R	1864	Campbell, T C	2332	Donart, G B	2446	Gentry, G A	2327
Atkins, I M	2162	Campbell, W V	2101	Dorough, H W	2267	George, D A	2013
Aubert, J-F	1865	Campos-Rosado, J M	2074	Doty, A E	2399	2014	
Ayyangar, R S	2445	Capuzzo, W	1964	Doupnik, B	2180	Georgiou, G P	1968
Bacchetti, B	1866	Case, M T	2283	Dowler, W M	2134	Georgiev, S	2330
1921		Catarino, F M	2125	Driver, C H	2138	Getzendaner, M E	2399
Baggiolini, M	2203	Cates, M D	1936	Drummond, R O	1952	Gibbs, A J	1989
Bahadur, J	1922	Cavalloro, R	1937	Du Pre, C	2439	Gibbs, G W	2169
Bailey, J C	1923	1938		Duggan, R E	2362	Gibson, T	1986
Baille, M	2319	Cerna, J	2456	2389, 2390, 2391, 2392, 2393,		Gilbert, J C	2172
Baintner, K	2280	Chahert, B	2291	2394, 2395, 2396, 2463		Gilmour, C M	2245
Baker, E P	2151	Chakravarty, D K	2126	Durbin, R D	2177	Giins, J H	2138
Baker, K F	2117	Chamberlain, D W	2102	Duvlea, I	1953	Girolami, V	1970
Balla, H S	2155	Chandler, W A	2103	Ebert, E	2255	Gladney, W J	1952
Balock, J W	1924	Chandra, H	1939	Eckert, M	1954	Gluhovschi, N	2294
Banerjee, N	1925	Chatot, G	2291	Efferson, J N	2107	2295	
Bares, J F	2319	Chaudhry, H S	1994	Egunjobi, O A	2241	Glud, A	1971
Barker, J S F	2087	Chellman, C W	2210	Ehrhardt, P	1955	1972	
Barnes, D K	2101	Chen, P S	1940	Ehrlein, H J	2287	Godan, D	1973
2204		Cbeney, J	2095	Ebsan, A	2384	Gomez, M V	2433
Barrett, K E J	1867	Cbeo, P C	2127	Ekholm, S	2215	Gonzalez, D	1974
Barron, B A	2352	Chetham, N A	1917	El-Ghar, M	2073	Gordon, M P	2178
Barros-Queiroz, M C	2074	Chhabra, K S	2232	El-Kadi, M	2447	Goto, K	2300
Basak, W	2118	Cbhotani, O B	1906	El-Sharkawy, T A	2135	Gottlieb, D	2456
Bateman, M A	1926	Chikkerur, S K	2211	El-Tomi, A L	2100	Gotz, P	2071
2205		Childs, T W	2104	Elias, M	2294	Graham, H M	1962
Bathish, J N	2425	Cbino, H	1941	Elkan, E	2288	Graham, J	1975
Batra, H N	2382	Chintila, H	2295	Elkins, E R	2398	Greany, P D	2029
Bauer, F	2265	Chladek, Z	2128	2418		Greer, G L	2400
Bay, D E	1927	Choban, J S	2143	Ellenby, C	2242	Greeves, P D	2132
Beck, E C	1868	Chopard, L	1874	Ellinghoe, A H	2156	Griffin, E R	2284
Beck, W M	1868	Christensen, C M	2380	Elmore, C L	2256	Grison, P	1976
Bell, D K	2119	Church, J C T	2284	Engelrecht, H	2360	Groenewegen, C A M	2197
Bell, R R	2359	Chvetzova, O I	1956	Epps, J M	2243	Guerra, A A	2216
Bennett, S P	2278	Cirio, U	1937	Ernst, S E	1952	Gutemann, W H	2296
Benzie, J W	2129	Clemons, G P	2388	Et Al,	2354	Hackman, W	1879
Beratliel, Z	1953	Clinch, P G	1942	Evans, W C	2397	Hadorn, E	1977
Berck, R	2120	2440		Everson, E H	2111	Hadwiger, L A	2139
Berczi, I	2279	Coan, R M	1858	Evlakhova, A A	1956	Hagel, G T	2221
2280		Cochaux, P	2212	Eyles, A C	1910	Hagman, H E	2425
Berlin, West Germany	1887	Cochran, L C	2199	Fabey, J E	2423	Hahn, E E A	2363
Bernard, G	2282	Collins, J F	2075	Fain, A	1957	Hamilton, D J	2401
Bernard, R L	2102	Concienne, E J	2229	Farkas, I	2428	Hanimann, F	1940
Bernardi, G	1869	Cook, R W	2398	2430		Hanson, C H	2101
Bertok, L	2280	2418		Farooqui, M N	1958	2204	
Bertus, A L	2121	Cools, R	2285	1959		Hardee, D D	1945
Beschovski, V L	1870	Cooper, C S	2106	Farrow, R P	2398	1978, 2217	
Beutling, D	2281	2110		2418		Harris, H B	2182
Bhandbafalck, A	2002	Cooper, J E	2266	Fastovskaya, E I	2289	Harris, R L	1860
Bhargava, S	1928	Cordell, C E	2129	Fayaraman, M S	2290	Harrison, D L	2402
1929		Cornish, H H	2432	Feeny, R W	2448	2424	
Black, A L	2187	Corpade, V	1953	Feider, Z	1878	Harrison, J	2297
Blackith, R E	1871	Coster, J E	1943	Fenemore, P G	2403	Harrison, R A	2207
1930, 2095		1966		Fenill, G A	1960	Hartung, R	2432
Blackith, R M	1871	Costin, P	2294	1961		Hatch, C L	2195
1930, 2095		Cotbran, W R	1944	Fernandez, A T	1962	Hawkes, R B	2254
Blaich, R	1931	Coutin, R	2213	Fernandez, C E	2423	Hays, M B	2298
Blickenstaff, C C	2204	Covington, B M	2227	Filippovich, Yu B	2049	Heikinhelmo, O	1880
Blythe, J L	2057	Crago, C C	2354	Fink, G B	2427	Hellen, W	1881

AUTHOR INDEX

Henriques, M C

1882, 1883		Kirk, J K	2268	Mabmoud, S	2462	Nemec, S J	2020
Henriques, M C	2433	2304, 2305, 2306, 2405, 2406,		Mabunka, S	1895	Nemenz, H	1900
Hensley, S D	2229	2407, 2408, 2409, 2410, 2411,		Maibach, H I	2098	Neufeld, G J	1998
Herforth, R S	1979	2412, 2413, 2414, 2415, 2416,		Mainland, C M	2450	Newton, R C	2222
Herman, L	2342	2417		Malzacher, P	2007	Nichols, F	1945
Hernandez, N S	1962	Kishaba, A N	1986	Mancebo, V	2078	Nielsen, H T	2003
Herne, D H C	2080	Klatt, P	2265	Manigault, P	2149	2004	
Herz, A	2434	Kliejunas, J T	2257	Manning, W J	2451	Nielsen, K	2324
Hightower, B G	1980	Klimaszewski, S	1999	Manuel, A J	2421	Niemczyk, H D	1920
Hilty, J W	2141	Kline, D M	2160	Markell, E K	2373	Nilsson, O	2374
Hinton, H E	1981	Kling, J M	2269	Marsh, C L	2317	Nistor, T	2295
1982, 1983		Klothen, I	2264	Martin, J S	2008	Nomata, K	2377
Hoffmann, K	2345	Kluge, J P	2307	Martin, M D	1998	Norwood, B L	2204
Hofmann, K	2263	Knight, C A	2142	Martins, R	1896	Nottingham, P M	2325
Horstmann, K	1984	Knisely, B E	2354	Masner, L	1897	Nozaki, C	2326
Hort, I	2434	Knorr, L C	2235	Mathur, L M L	2009	Nuesch, H	2021
Hosgood, S M W	2081	Kobayashi, K	2308	2010		Nunberg, M	1901
Hoshino, T	2300	2309		Maurice, Y	2318	O'Scallaghan, D J	2327
Hosny, M M	1985	Kolbye, S M	2132	2319		Oatman, E R	2029
Hourrigan, J L	2354	Koppenhofer, E	2436	Mawdesley-Thomas, L E	2320	Obrig, T G	2456
Howe, M W	2340	Kozera, W	2145	Maximos, S E	2452	Ochin, D	2454
Howland, A F	1986	Kraczkowski, H	2310	Maxwell, F G	1923	Ogawa, J M	2181
Hubrig, T	2338	Kraft, J M	2146	2208		Olson, E O	2161
Huddleston, P M	1945	Kreutzer, R D	2083	McCoy, C W	2225	Omran, A O	2162
1978		Krishnanandam, Y	2032	McCully, K A	2465	Onsager, J A	2022
Hughes, J T	2403	Krivolutsky, D A	1889	McDonald, I C C	2011	Orphanides, G M	1974
Hulet, C V	2321	Kubli, E	1940	McDonald, S	2012	Otte, D	2023
Hurlimann, R	1977	Kuc, J	2147	McDonough, L M	2013	Overton, J R	2141
Hutber, W	1884	Kuhlman, E G	2148	2014		Oye, E van	2439
Hyde, J M	2327	Kulvinova, I N	2289	McIntosh, R A	2151	Pacheco, F	1902
Ignoffo, C M	1987	Kurkdjian, A	2149	McKenzie, R I H	2108	Paim, U	2400
Illing, K	2299	Kusuhara, S	2300	McKibben, G H	1859	Palmer-Jones, T	2440
Ishida, K	2300	Kuwahara, Y	1988	McKinley, W P	2426	Palmsano, A M	2250
Ishii, K	2237	Lal, H	2311	McKittrick, R T	2159	Pandurangrao, C C	2328
Isbii, M	2172	Lam, J J	2056	McKnight, M E	2226	Papa, F	2441
Ishii, S	1988	2057, 2058		McLaughlin, E L	2399	Papavizas, G C	2444
Ishikawa, K	2377	Lamb, F C	2398	McLeod, H A	2426	Pappelis, A J	2163
Itikawa, O	2300	2418		McManus, M L	2015	Parks, E	2329
Jacobson, M	2013	Lamb, K P	2219	Mebus, C A	2317	Parsons, P A	2081
Janda, V	1989	Lambert, S M	2464	Meier, W	1898	2085	
Jander, R	1990	Lambrot, M	2068	Meinershagen, W A	2321	Parsons, W T	2258
Jenkins, J N	1923	Lammerink, J	2220	Melis, G	1948	Partridge, A D	2164
2208		Lande, I S de la	2438	2016		Pass, B C	1920
Jenkins, P T	2140	Landis, B J	2221	Mendoza, C E	2426	Patel, H K	2024
Jensen, H J	2245	Lange, A H	2256	2453, 2465		2025	
Jeter, R B	2256	LaRow, E J	2000	Menzer, R E	2388	Patel, J R	2024
Johnson, G R	2013	Latschaw, W K	2312	Meredith, D S	2152	2025	
Johnson, L A S	1885	Laviolette, R	2048	Merkel, M E	1978	Patel, V C	2024
Johnston, S M	2333	Lazzeroni, G	1921	Mierzejewski, T	2322	2025	
Jones, C M	1991	Le Minor, L	2437	Miksic, S	2017	Patterson, w J	2026
Jones, S L	2231	Leath, K T	2222	Milicic, D	2153	Pausch, R D	2027
Josephson, L M	2141	Leggett, J E	2001	Miller, J A	1860	Pederson, N	2351
Josifov, M	1886	Lehrer, A Z	1890	Miller, P M	2248	Pederson, A J	2028
Judy, K J	1992	Leone, I A	2387	Miller, W V	2358	Petitpierre, E	2086
Juszkiewicz, T	2301	Leuamsang, P	2002	Millikan, D F	2123	Pine, T S	2165
Kado, C I	2142	Levin, S	2295	2199		Pingale, S V	2230
Kadoun, A M	1993	Lewis, J C	2438	Mindek, G	1977	Pinto, J D	1903
Kagawa, T	2377	Lewis, W G	2469	Mink, G I	2224	Pishev, D	2330
Kaiser, E	2435	Ley, H L	2270	Mircetich, S M	2154	Pitre, H N	2206
Kalra, D S	2302	2313, 2364		Misrocchi, A F	2468	Pitts, C W	1927
Kamizato, Y	2377	Ley, H L Jr	2365	Mistric, W J	2227	Platner, G R	2029
Kanavel, R F	2225	Ley, H L Jr.	2271	2228		Ploffs, P C	2457
Kapoor, R P D	1994	2272, 2314, 2315, 2355, 2366,		Mitchell, E B	1945	Plowman, K M	2332
Kapoor, S P	2143	2367, 2368, 2369, 2370, 2371,		1978, 2217		Pohlhammer, K	2030
Kashin, P	1861	2372		Mitchell, H C	1945	Polles, S G	2031
Kasy, F	1995	Lichtenstein, E P	2419	1978		Pomeroy, R S	2331
Katcho, Z A	2246	Liese, W	2449	Mitchell, J E	2155	Portman, R S	2332
Katsanos, R A	2163	Lindgren, D L	2399	Mitchell, W G	2356	Potemkina, S G	2289
Kaufman, D D	2461	Lindqvist, E	1891	Mitry, S H	2073	Predescu, S	1953
Kearney, P C	2461	Linley, J R	2003	Mohanty, G P	2323	Presley, J T	2166
Kegler, H	2168	2004		Montuelle, B	2454	Price, D A	2321
Keller, F A	2144	Lipkow, E	2223	Morel, P C	1899	Provost, A	2318
Kelsey, J M	1996	Lisk, D J	2296	Mortuedt, J J	2455	Puca-Ciudin, M	2294
1997, 2218, 2404		Lloyd, J E	2005	Mount, M S	2156	Puthz, V	1904
Kelsey, O L	2354	Loeffler, K	2287	Mulla, M S	1968	Qualls, M	2106
Kelterborn, E	2303	Lopez, F	1924	2018		2110	
Kemeny, T	2428	Lowe, A D	2219	Muller, P W	2255	Raab, W	2435
2430		Lugetti, G	1892	Munns, D N	2157	Ragge, D R	1905
Kernbach, K	1887	Luig, N H	2151	Murray, K F	2357	Rai, L	2230
Kerr, E	2253	Lukefahr, M J	1962	Nafornita, M	2294	Rai, P V	2167
Khalaf, K T	1888	Lvscher, M	2046	2295		Ramamurty, P S	2032
Khan, A A	2098	Lvova, L S	2381	Nagai, H	2172	Randall, C C	2327
Khan, A H	2082	Lyhs, L	2349	Naito, N	2377	Rao, Y P	2183
Khasawinab, A M	2018	Macias, W	2224	Namm, T	2158	Rastas, V P	2333
Kleckhefer, R W	2059	Mackay, M R	1893	Nassar, R F	2084	Ratcliffe, R H	2101
Kikuchi, T	2300	MacKenzie, D R	2150	Nault, L R	2019	2204	
Kimball, J R	2398	2192		Navolneeva, I N	2467	Rathburn, C B	2468
2418		Mackerras, M J	1894	Nedyalkov, K	2330	Rathie, K A	2087
Kimbrough, R D	2431	MacNamara, G M	2420	Negm, A A	2229	Ratuld, Y de	2334
Kincer, H C	2141	Maestroni, G	2316	Nelson, C B	2358	Rawlings, J O	2101
Kinloch, R A	2247	Magbanua, J T	2445	Nelson, M R	2159	Raychaudhuri, D N	1925
Kinnear, J F	1998	Mahdihassan, S	2006	Nelson, R R	2160	Razafindratsita, M	2335

AUTHOR INDEX

Zocchi, R

Reddy, K K	1922	Schulz, K R	2419	Steinbaus, E A	2090	Vilenberg, G	2347
Reddy, T K R	2458	Schwochau, M E	2139	Stephen, W F	2055	Villiers, A	1914
Reichmuth, W	2442	Scriba, M E L	2089	Stern, C	2091	Vinson, S B	2031
Reid, J S	2376	Scudder, G G E	1910	Stewart, D	2078	Vite, J P	2033
Reim, G	2375	Seifert, G W	2353	Stewart, P A	2056	2064, 2065	
Reinganum, C	2189	Selbime, A G	2225	2057, 2058		Von Endt, D W	2461
Renwick, J A A	2033	2234		Stino, G R	2452	Voronova, L D	2238
2065		Sellhorn, K	2265	Stodart, E	2343	Voss, J L	2348
Resende, F	2122	Semar, R	2316	Stokes, D R	2062	Wachtel, W	2349
2125		Semov, P	2330	Stone, B F	2092	Wagner, E	1915
Ribot, J J	2335	Service, M W	1911	2093		1916	
Richards, W P C	2336	Shaaya, E	1933	Strauss, W G	2098	Wakeman, R J	2173
Richter, J	2168	Shabaan, A	2447	Strickland, R K	2354	Wales, P J	2426
Ridgway, R L	2231	Shanks, V	2402	Strickland, R W	2184	2453, 2465	
Riebeck, P A	2292	2424		Stubbs, R W	2185	Wallace, A T	2114
Riek, E F	2034	Shanmugasundaram, S	2172	Subramanian, S	2186	Wallace, M M H	2066
Riemann, J G	2035	Sbapiro, A M	2047	Summers, L A	2187	2067	
Rillo, F O	2114	Sharma, M L	2048	Surman, P G	2344	Ward, B C	2350
Ringlund, K	2111	Sharma, R D	2251	Sutter, G R	2059	2351	
Rizza, A	2254	Shaver, T N	2216	Sutter, J L	2425	Ward, G	1927
Roberts, D D	2146	Shawky, I	2462	Sutton, R A	2234	Waterhouse, F L	1917
Robertson, G I	2169	Shegoleva, L I	2049	Sweedman, R	2236	Wattiaux, J M	2068
Robertson, P L	2036	Shepherd, D R	2259	Sweeney, J P	2188	Weigl, D R	2175
Robinson, J	2422	Shepherd, R J	2173	Swihart, S L	2060	Weihing, J L	2253
Rockel, E G	2037	Shirley, G	2346	Taha, A H Y	2261	Werner, G H	2334
Rodino, E	1949	Shlyaposnikov, M S	2289	Takafuji, E T	2062	Wernham, C C	2150
Rodriguez-Kabana, R	2459	Siemer, S R	2174	Takagi, S	2377	2192	
Rodriguez, J G	2423	Silberschmidt, K	2175	Tamate, H	2300	Wester, R E	2198
Rogers, B	2161	Silfverberg, H	1912	Taniguchi, M	2377	Western, D E	2193
Rogoff, M H	2050	1913		Taniguchi, T	2237	Whetstone, T M	1952
Ronquillo, M C R	2038	Sill, W H	2171	Tao, M	2178	White, C	1974
Roonwall, M L	1906	Simandle, P A	2188	Taylor, E E	2166	White, J L	2466
Root, R B	2039	Simanton, W A	2235	Taylor, R H	2189	White, M J D	2094
Roseler, P-f	2040	Simkover, H G	2358	Tembe, V B	2043	2095, 2096	
Rosen, D	2041	Simons, M D	2176	2044		Whitten, M J	2097
Rossi, C R	2337	Sinclair, D P	2340	Teutsch, T	2021	Wiesmann, R	2069
Roy, R	1905	Sinden, S L	2177	Theron, J G	2061	Wiggins, O G	2267
Rozmus, M	2170	Singer, S	2050	Thiele, O W	2345	Wihrhelm, S E	2248
Ruppel, E G	2112	Sirbu, C	1953	Thompson, J A	1998	Williams, J F	2378
Rupprecht, W	1931	Sisli, N	2051	Thornton, R H	2346	Williams, S C	2070
Russell, J D	2466	Six, K M	2341	Tickner, N S	2262	Williams, W T	2194
Sachs, M	2460	Skelsey, J J	2039	Timson, J	2443	Wilson, M C	1920
Saini, M L	2232	Skepper, A H	2236	Tishler, F	2425	Wittmann, E	2339
Sakagami, S F	2042	Skilling, D D	2129	Toba, H H	1986	Wolf, W W	1986
Sakimoto, R	2237	Slaughter, L J	2342	Tokunaga, C	2091	Wolfe, R D	2195
Sakuma, H	2300	Smail, G D	2178	Toler, R W	2214	Wongsiri, T	2002
Salama, E A	2171	Smith, E L	2052	Tonggiorgi, P	1892	Wood, E C	1918
Salisbury, R M	2346	Smith, H C	2179	Topciu, V	2295	Woolley, D E	2352
Salomao, T A	2175	Smith, J J	2256	Torbockina, L I	2467	Wulker, W	2071
Sarid, J N	2230	Smith, P R	2189	Torres, J M	2429	Wyman, M	2312
Sarin, K	2043	Smith, S H	2117	Toure, S M	1899	Yamamoto, S	2300
2044		Smittle, B J	1935	Trautwein, G	2287	Yang, G	2155
Sarlet, L G	1907	Sobers, E K	2180	Tu, J C	2137	Yates, H O	2469
Sauter, W	1908	Sobrio, G	1908	2190		Yendol, W G	2053
Saxena, S C	2043	Solly, S R B	2424	Tumlinson, J H	1945	Yesipenko, P A	2072
2044		Sonleitner, F J	2205	Turner, E C	2356	Yoneya, S	2300
Schaler, G	2233	Sonoda, R M	2181	Turner, P D	2191	Zadoks, J C	2197
Schalk, V	2045	Sorelius, L	2374	Uebayashi, Y	2237	Zaki, M	2447
Schedl, K E	1909	Sowell, G	2182	Underdahl, N R	2317	Zaki, M M	2073
Schenck, N C	2130	Sprenkel, R K	2053	Vaillancourt, G	2385	Zandvoort, R	2196
Scheurer, R	2046	Srivastava, D D	2260	Van Weel, P B	2062	2197	
Schimmel, D	2338	Srivastava, D N	2126	Vanderzant, E S	2063	Zaumeyer, W J	2198
Schmidt, D	2339	2183		Vazquez, J T	2252	Zawadzka, B	2199
Schmidt, H	2436	St. John, L E Jr.	2296	Venkatesh, M V	1939	Zeikus, R D	2090
Schmidt, R E	2376	Stadelbacher, E A	2054	Venzke, W G	2312	Zidan, Z	2462
Schroeter, G L	2088	Stan, M	2295	Veress, B	2280	Zink, F W	2470
Schubiger, G	1977	Staub, M	1977	Verma, O P	2311	Zocchi, R	1960
		Steiner, H	2113				

ORGANIZATIONAL INDEX

- Agricultural Research Service
Crops Protection Research Branch
2459
- Agricultural Research Service
Department of Agriculture
2201
- Agricultural Research Service, Beltsville, Md.
Plant Industry Station
2155
- Agricultural Research Service, Fort Valley, Ga.
Crops Research Div.
2244
- Agricultural Research Service, Mexico City,
Mexico
Entomology Research Div.
1924
- Agricultural Research Service, Washington, D. C.
Plant Pest Control Div.
2259
- Agriculture Research Service
Market Quality Research Div.
2380
- American Cyanamid Co., Stamford, Conn.
2264
- American Home Products Corp., New York, N. Y.
2298
- Bristol Univ., England
Dept. of Zoology
1982
- California Univ., Berkeley, Calif.
Dept. of Molecular
2142
- California Univ., Davis
Dept. of Veterinary Pathology
2351
- Cambridge Univ., England
Dept. of Genetics
2082
- Commission Internationale de Lutte Biologique
contre les
Ennemis des Cultures
2105
- Commonwealth Scientific and Industrial Research
Organization, Canberra, Australia
2343
- Commonwealth Scientific and Industrial Research
Organization, Canberra, Australia; Div. of Entomology
1981, 1983
- Commonwealth Scientific and Industrial Research
Organization, Sydney, Australia
1926
- Commonwealth Scientific and Industrial Research
Organization, Yeerongpilly, Australia; Veterinary Parasitology Lab.
2092, 2093
- Commonwealth Scientific and Industrial Research
Organ
Ization, Darwin, Northern Territory, Australia;
Div. of Land Research
2184
- Commonwealth Scientific and Industrial Research
Organiza
tion, Canberra, Australian Capital Territory,
Australia; Div. of Plant Industry
2157
- Department of Agriculture
Agricultural Research Service
1923, 2301
- Department of Agriculture
Cooperative State Research Service
1927
- Department of the Army
Army Medical Research and Development Command
1861
- Dow Chemical Co., Midland, Mich. 48640
2399
- Farbwerke Hoechst Aktiengesellschaft vormals
Meister Lucius
and Bruning, Frankfurt am Main, West Germany
2265
- Food and Drug Administration
2268, 2271, 2272, 2304, 2305, 2306, 2313,
2314, 2315, 2355, 2362, 2364, 2365, 2366,
2367, 2368, 2369, 2370, 2371, 2372, 2389,
2391, 2392, 2393, 2394, 2395, 2396, 2408,
2409, 2410, 2411, 2412, 2413, 2414, 2415,
2416, 2417, 2463
- Food and Drug Administration, Washington, D. C.
2270
- Food and Drug Administration, Washington, D. C.
2390, 2405, 2407
- Food and Drug Administration, Washington, D. C.
2406
- Forest Service, Asheville, N. C.
Southeastern Forest Experiment Station
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- Frankfurt am Main Univ. West Germany
Zoologisches Inst.
1971
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Honolulu
Dept. of Plant Pathology
2152
- Hungarian Academy of Sciences, Budapest
Veterinary Medical Research Inst.
2279, 2280
- Institut de Recherches Agronomiques,
Madagascar, Tananarive
Div. de Phytopathologie
2240
- Kansas State Univ., Manhattan
Dept. of Plant Pathology
2171
- Lincoln Coll., Canterbury, New Zealand
2207
- Louisiana State Univ., Baton Rouge
Dept. of Entomology
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- Maryland Univ., College Park
Dept. of Entomology
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Dept. of Zoology
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- Melbourne Univ., Australia
School of Zoology and Genetics
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- Ministry of Agriculture, Fisheries and Food,
England
2249
- Montreal Univ., Canada
Dept. des Sciences Biologiques
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- National Science Foundation
2078, 2163, 2456
- Nebraska Univ., Lincoln
Dept. of Entomology
1993
- New Brunswick Univ., Fredericton, Canada
Dept. of Biology
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- Nippon Soda Kabushiki Kaisha, Tokyo-to, Japan
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- Ohio State Univ., Columbus 43210
Dept. of Veterinary Anatomy
2312
- Pennsylvania State Univ., University Park
Dept. of Entomology
2053
- Public Health Service
2139, 2267
- Public Health Service
Inst. of Allergy and Infectious Diseases
2156
- Public Health Service
National Center of Urban and Industrial Health
2432
- Public Health Service
National Inst. of Health
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- Public Health Service, Atlanta, Ga.
National Communicable Disease Center
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- Public Health Service, Washington, D. C.
Div. of Environmental Engineering and Food
Protection
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- Public Health Service, Washington, D. C.
Div. of General Medical Sciences
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Dept. of Animal Science
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- Purdue Univ., Lafayette, Ind.
Dept. of Agronomy
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- Rajasthan Univ., Jaipur, India
Dept. of Zoology
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- Ribeirao Preto, Sao Paulo, Brasil
Dept. of Biochemistry
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- Squibb Inst. for Medical Research, New
Brunswick, N. J.
2316
- Stuttgart Univ., West Germany
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- Sydney Univ., Australia
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- Wurzburg Univ., West Germany
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